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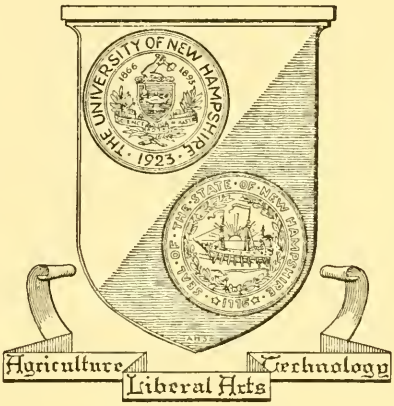

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Bulletin 292 July, 1936

THE UNIVERSITY OF NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Department of Agricultural Chemistry

Inspection of Commercial Feeding Stuffs 1936

Made for the
State Department of Agriculture

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University of New Hampshire
Agricultural Experiment Station

By T. O. Smith and H. A. Davis

The University of New Hampshire
Durham, N. H.

INSPECTION OF COMMERCIAL FEEDING STUFFS

Made for the

STATE DEPARTMENT OF AGRICULTURE

The inspection of commercial feeding stuffs reported in this bulletin was made under the direction of Honorable Andrew L. Felker, Commissioner of Agriculture. Mr. E. D. Sanborn, State Inspector, collected samples of 384 brands of feeding stuffs which were offered for sale in the State during the year ending June, 1936. The 384 samples represent brands of 108 manufacturers.

THE LAW

The New Hampshire law, entitled an Act to Regulate the Sale of Concentrated Commercial Feeding Stuffs, requires every manufacturer or dealer who shall sell or offer for sale any concentrated commercial feeding stuff to furnish with each package a clearly printed statement certifying the net weight of the feed contained in the package, the brand name or trademark under which the feed is sold, the name and address of the manufacturer, the ingredients of which the feed is composed, and a chemical analysis stating the minimum percentage only of protein, fat and carbohydrates, and the maximum percentage only of crude fiber.

Manufacturers and jobbers who ship concentrated commercial feeding stuffs into the State are required to register each brand and to pay a license fee. Under the provisions of the law if the shipper fails to register, the dealer is responsible. Feeds manufactured in other states frequently pass through several middlemen before they reach the local distributor. Dealers who purchase feed for resale must assure themselves the brands they purchase are properly registered or assume that responsibility.

In order to secure greater uniformity in the labelling of feeds and in the statement of ingredients, the Association of American Feed Control Officials has adopted definitions and standards. The Association has also approved twenty-one General Regulations which "should be adopted by state officials as far as the statutes will permit." There are no conflicts in these regulations with the New Hampshire Feeding Stuffs Law. All manufacturers and dealers are therefore expected to conform to the regulations of the Association in all matters not specifically mentioned in the law. Copies of these regulations and also the definitions and standards may be obtained from the Secretary, Association of American Feed Control Officials, College Park, Maryland.

A study of the following resolutions of the Association of American Feed Control Officials will make clear to purchasers of feeding stuffs the reasons for a change in the Uniform Label adopted by the Association, omitting the word Carbohydrates.

Resolved that it is the sense of this Association that we understand the term "Nitrogen-Free Extract" to cover the product indicated by the percentage obtained by subtracting from 100 per cent the sum of the percentages of Ash, Moisture, Protein, Fat and Fiber (adopted prior to 1923).

Resolved that the term "carbohydrates" be interpreted to cover the product indicated by the percentages obtained by the addition of the percentages of crude fiber and nitrogen free extract (adopted prior to 1923).

Since the term "carbohydrates" is misleading and combines a maximum guarantee of crude fiber with a minimum guarantee of nitrogen free extract, Be it Resolved, that the use of the term "carbohydrates" on the uniform registration blank and uniform tags be discontinued (adopted 1935).

The New Hampshire Feeding Stuffs Law requires the manufacturer to state the percentage of carbohydrates. However, a statement of the percentage of nitrogen free extract indirectly gives this information, since the sum of the nitrogen free extract and the crude fiber equals the carbohydrates.

The chief purpose of the Feeding Stuffs Law is to protect the consumer against the inferior products which would doubtless soon appear on the market if the trade were not under state control. The law is primarily a correct-labelling act. It must not be assumed by the purchaser of feeding stuffs that every brand which meets the manufacturer's guarantee is a high-grade feed. The Feeding Stuffs Law does not prevent the sale of a low-grade feed if it is properly licensed and tagged and is offered for sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding value. The law does prevent an inferior feed being offered for sale as a high-grade product.

In purchasing feeds both the dealer and the consumer should specify: The feed delivered on this order must comply with the New Hampshire Feeding Stuffs Law. Do not accept delivery in untagged or unlabelled bags. The dealer who offers for sale a feeding stuff which has not been registered or which is not guaranteed in compliance with the law is probably indifferent to his customer's interests in other respects. He does not merit either the confidence or patronage of the consumer.

The purchaser's co-operation in refusing to buy a feed which does not conform to the law in every respect will not only help in the enforcement of the law but will at the same time afford himself its protection. If the buyer fails to assure himself the legal requirements have been met, he accepts the feeding stuff at his own risk. The State official

charged with the enforcement of the feeding stuffs law is the Commissioner of Agriculture. All inquiries concerning the law and all matters relative to the registration of brands should be addressed to his office in Concord.

CLASSIFICATION

In classifying the feeding stuffs here reported, the class name under which they were offered to the consumer has been used. The classes are arranged alphabetically. Table I shows the number of brands in each class, the page on which the analysis may be found, the average price per 100 pounds, the average per cent of protein, the number of pounds of protein per $1.00, the number deficient by one-half per cent or more of protein, the average per cent fat, the number of pounds of fat per $1.00, and the number deficient by one-fourth per cent or more of fat.

The columns pounds of protein per $1.00 and pounds of fat per $1.00 are included for the convenience of consumers interested in the comparative cost of protein and fat in the different concentrates. They are not corrected for the varying amounts of the other constituents.

TABLE I

Class	Analyses on page	Number in class	Average price per 100 pounds	Average per cent protein	Pounds of protein per $1.00	Number deficient 1/2 per cent protein	Average per cent fat	Pounds of fat per $1.00	Number deficient 1/4 per cent fat
Alfalfa Leaf Meal	11	1	2.10	20.84	9.9	0	1.96	0.9	1
Brewers' Dried Grains	11	2	1.48	25.42	17.2	0	6.55	4.4	0
Calf Meal	11	4	3.66	24.11	6.6	0	5.46	1.5	0
36% Cottonseed Meal	12	3	1.76	38.51	21.9	0	5.52	3.1	0
41% Cottonseed Meal	12	5	1.86	40.24	21.6	3	6.04	3.2	0
Dairy Feed	13	122	1.74	21.50	12.4	5	4.20	2.4	23
Distillers' Dried Grains	29	6	1.63	27.51	16.9	2	8.27	5.1	2
Fish Meal	29	2	2.65	57.64	21.8	0	8.07	3.0	1
Fox Meal	30	1	5.05	30.04	5.9	0	5.81	1.2	0
Gluten Feed	30	5	1.68	27.72	16.5	0	2.48	1.5	0
Gluten Meal	30	1	1.75	44.98	25.7	0	2.28	1.3	0
Hog Feed	31	2	2.08	16.69	8.0	0	5.05	2.4	0
Hominy Feed	31	4	1.61	10.36	6.4	0	6.68	4.1	0
Kelp	31	1	4.25	5.30	1.2	0	0.47	0.1	0
Linseed Meal	31	3	1.83	38.37	21.0	0	5.27	2.9	0
Meat Scraps	32	4	2.70	46.00	17.0	1	9.73	3.6	0
Dried Skimmed Milk	32	3	8.02	34.85	4.3	0	0.71	0.09	0
Oat Hulls	33	3	0.83	4.51	5.4	0	1.27	1.5	1
Oat Meal	33	2	2.82	16.14	5.7	0	5.75	2.0	0
Poultry Feed	33	116	2.40	19.07	7.9	2	5.14	2.1	1
Soybean Oil Meal	49	3	1.88	41.20	21.9	1	5.25	2.8	0
Stock Feed	49	20	1.66	9.60	5.8	2	4.12	2.5	2
Wheat Bran	51	29	1.41	16.73	11.9	1	4.90	3.5	0
Wheat Middlings	54	14	1.51	17.52	11.6	1	5.04	3.3	1
Wheat Mixed Feed	56	17	1.67	16.99	10.2	2	4.72	2.8	0
Wheat Red Dog	58	4	1.66	19.14	11.5	0	4.53	2.7	0
Wheat Shorts	58	7	1.46	18.18	12.5	0	5.38	3.7	0
		384				20			32

NUMBER OF SAMPLES FAILING TO COMPLY WITH THE LAW

One hundred fifty nine of the 384 brands analyzed failed to comply with the law in every respect, violating it on 202 counts. Nearly all of these violations, however, are negligible if measured in terms of the cost to the purchaser.

Eleven brands were found deficient more than one per cent in the most valuable constituent, protein. These deficiencies were 3.12, 2.94, 2.82, 2.22, 2.15, 1.87, 1.69, 1.38, 1.14, 1.10 and 1.08 per cent. Nine brands were deficient more than one-half per cent but less than one per cent. Eleven brands were deficient less than one-half per cent. The 31 brands found deficient in protein is equivalent to 8.1 per cent of the brands analyzed.

Fifty-three brands or 13.8 per cent were deficient in fat; 21 of these were deficient less than one-fourth per cent. The greatest deficiency in fat was 1.34 per cent.

Forty-seven brands contained an excessive amount of crude fibre. Sixty-nine brands were deficient in carbohydrates. In the analysis of a feeding stuff, the percentage of carbohydrates is usually determined indirectly. It is found by subtracting the sum of the percentages of protein, fat, moisture and ash from 100. It is obvious that an excess of protein and fat over the manufacturer's guarantee decreases the percentage of carbohydrates found. Many of this year's carbohydrates deficiencies are due to the protein or fat or both exceeding the guarantee. Two brands were offered for sale without a carbohydrates guarantee.

In the tabulation of the analytical data, deficiencies of one-half per cent or more of protein and of one-fourth per cent or more of fat are underlined.

In Table II is shown a summary of deficiency figures over an eleven year period.

TABLE II

Year	Per cent Deficient in Protein	Per cent Deficient 1/2 % or more in Protein	Per cent Deficient in Fat	Per cent Deficient 1/4 % or more in Fat	Per cent High in Crude Fiber	Per cent Low in Carbo-hydrates	Per cent with no Carbo-hydrates Guarantee
1926	24.0	16.0	14.0	10.0	6.0	6.5	22.5
1927	24.7	16.4	19.4	13.6	5.9	17.9	14.4
1928	29.8	20.7	13.6	9.3	7.9	10.6	11.7
1929	29.7	20.2	12.1	9.3	6.5	10.3	9.5
1930	17.9	13.1	12.0	8.0	3.9	16.5	16.2
1931	9.0	7.2	15.6	9.7	5.3	15.6	11.2
1932	3.2	1.4	13.1	8.1	2.8	15.5	16.9
1933	4.9	3.6	17.3	9.8	3.6	18.1	5.9
1934	6.4	3.4	11.0	7.1	9.8	16.4	6.6
1935	5.4	3.0	12.7	8.5	9.9	19.8	5.4
1936	8.1	5.2	13.8	8.3	12.2	18.0	0.5

REQUESTS FOR THE ANALYSIS OF FEEDING STUFFS BY INDIVIDUALS

Under the Feeding Stuffs Law the Agricultural Experiment Station is charged only with the analysis of samples of feeding stuffs collected by the State Inspector under the direction of the Commissioner of Agriculture. It does, however, each year analyze a considerable number of samples drawn by individuals representing stock purchased by them for their own use. The object of the purchaser who asks to have the sample analyzed is usually to satisfy himself whether the feed meets its guarantee and if it does not, to obtain evidence upon which to base a claim for shortage.

The Station can assume no responsibility for the sampling of these unofficial samples but can only attest the accuracy of the analysis of the sample as submitted. It is practically impossible to secure a representative sample of a feeding stuff composed of several ingredients varying widely in composition without the aid of a sampling tube for drawing the sample and proper equipment for mixing it. A feed may contain as one of its ingredients gluten meal averaging 40 per cent protein, and as another ingredient oat feed averaging five per cent protein. These materials are so different in physical condition that the shaking in transit tends to separate them even though they may have been perfectly mixed by the manufacturer before bagging. It is apparent that an accurate sample of a ton of this feed can only be had by drawing a core from several bags. The official method requires ten. Since a representative sample is as essential as an accurate analysis in judging the value of a shipment of feed, it is evident that a satisfactory adjustment can seldom be effected on the basis of an unofficial sample.

Notwithstanding the objections which may be raised to the analysis of samples taken without proper sampling equipment, the Station is disposed to continue this work as long as there is evidence that it constitutes a useful service. The samples so submitted should be drawn from at least ten bags in a manner which will insure that the small lot sent for analysis is as accurately representative as possible of the larger lot from which it is taken. Because of the cost of labor and materials, an analysis is not usually warranted on a sample drawn from less than a one ton lot of feed.

A one pound sample is sufficient for the analysis. It should be sent in a glass jar or tin box to prevent the loss of fine particles and a change in the moisture content. In order that the Department may have a satisfactory record of the sample analyzed and may know whether or not the manufacturer and the dealer are complying with the requirements of the law, the following information should be submitted concerning each sample.

Brand . . . . . .
Manufacturer . . . . . .
Address . . . . . .
Guarantee:
    Protein . . . . . .
    Fat . . . . . .
    Carbohydrates . . . . . .
    Moisture . . . . . .
    Ash . . . . . .
    Crude Fiber . . . . . .
Ingredients . . . . . .
. . . . . .
. . . . . .
Dealer . . . . . .
Address . . . . . .
Number of bags in lot . . . . . .
Number of bags sampled . . . . . .
Price per 100 pounds . . . . . .
Your name . . . . . .
Your address . . . . . .
Your reason for requesting analysis . . . . . .
. . . . . .

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
ALFALFA LEAF MEAL								
Standard Alfalfa Leaf Meal	G.*	20.00	2.50	58.00	....	....	18.00	
A. B. Caple Co. Toledo, Ohio	F.*	20.84	1.96	53.49	11.23	12.48	17.45	
BREWERS' DRIED GRAINS								
Brewers' Dried Grains	G.	20.00	5.00	53.00	....	....	18.00	
Allied Mills Chicago, Ill.	F.	25.83	7.07	59.25	4.84	3.01	....	
Alco Dried Brewers' Grains	G.	22.00	6.00	45.00	....	....	20.00	
C. J. Martenis Grain Co. New York, N. Y.	F.	25.00	6.02	57.58	3.77	7.63	....	
CALF MEAL								
Eastern States Calf Starter Open Formula	G.	23.00	3.50	51.00	....	....	4.00	Rolled oats, yellow corn meal, wheat bran, mill run screenings, blood flour, dried skimmed milk, linseed meal, soybean oil meal, sardine oil, dicalcium phosphate, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F.	24.69	7.02	54.42	4.93	8.94	3.49	
Kasco Calf Meal	G.	21.00	3.50	50.00	....	....	4.50	Wheat middlings, wheat red dog flour, mill run screenings, linseed meal, soybean meal, corn meal, oat meal, malted barley, dried skimmed milk, milk sugar feed, blood flour, bone meal, salt, calcite, cod liver oil.
Kasco Mills Waverly, N. Y.	F.	22.77	4.45	53.52	9.94	9.32	4.71	
Bull Brand Calf Meal	G.	22.00	4.00	53.00	....	....	5.00	Cod liver oil, dried skimmed milk, blood flour, red dog wheat flour, corn meal, linseed meal, oat flour, steamed bone meal, calcium carbonate, salt.
Maritime Milling Co. Buffalo, N. Y.	F.	26.40	4.63	51.81	6.73	10.43	3.48	
Merrimack Calf Meal	G.	20.00	4.50	55.00	....	....	5.00	Soybean oil meal, oat groats, linseed meal, wheat red dog flour, hominy feed, dried blood, fish meal, dried skimmed milk, anise, fenugreek.
Merrimack Farmers' Exchange Concord, N. H.	F.	22.59	5.72	57.03	4.12	10.54	4.24	

* These letters indicate respectively guaranteed and found.

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
36% COTTONSEED MEAL								
Miss Cairo Brand 36% Cottonseed Meal	G.	36.00	5.00	24.00	....	....	12.00	
Cairo Meal & Cake Co. Cairo, Ill.	F.	36.73	5.52	44.30	6.47	6.98	....	
Danish Brand Cottonseed Feed	G.	36.00	5.00	25.00	....	....	15.00	Cottonseed meal, cottonseed hulls.
Humphreys-Godwin Co. Memphis, Tenn.	F.	37.91	5.43	43.75	5.68	7.23	....	
Lovit Brand 36% Cottonseed Meal	G.	36.00	4.50	41.00	....	....	16.00	
L. B. Lovitt & Co. Memphis, Tenn.	F.	40.89	5.62	40.41	6.21	6.87	....	
41% COTTONSEED MEAL								
Empire 41% Cottonseed Meal	G.	41.00	5.50	38.00	....	....	13.00	
E. T. Allen Co. Atlanta, Ga.	F.	41.11	6.26	40.54	6.28	5.81	....	
Cow-Eta Brand 41% Cottonseed Meal	G.	41.00	5.00	48.00	....	....	13.00	
Ashcraft-Wilkinson Co. Atlanta, Ga.	F.	41.07	6.37	38.74	6.28	7.54	....	
Eastern States 41% Cottonseed Meal	G.	41.00	6.00	36.00	....	....	10.00	
Eastern States Farmers' Exchange Springfield, Mass.	F.	40.06	6.00	39.57	6.75	7.62	....	
Dixie Brand Cottonseed Meal	G.	41.00	5.00	26.00	....	....	12.00	
Humphreys-Godwin Co. Memphis, Tenn.	F.	40.10	6.10	40.29	6.83	6.68	....	
Lovit Brand 41% Cottonseed Meal	G.	41.00	5.00	38.00	....	....	13.00	
L. B. Lovitt & Co. Memphis, Tenn.	F.	38.85	5.45	42.44	5.45	7.81	....	

DAIRY FEED								
Empire 20% Dairy Ration . . .	G.	20.00	3.00	52.00	....	....	12.00	Soybean oil meal, cottonseed meal, wheat bran, grain screenings, clipped oat by-products, cane molasses, limestone, salt.
Allied Mills	F.	20.66	3.37	55.29	8.05	12.63	7.28	
Chicago, Ill.								
Empire 24% Dairy Ration . . .	G.	24.00	3.00	50.00	....	....	12.00	Corn distillers' dried grains, brewers' dried grains, soybean oil meal, corn gluten feed, corn gluten meal, cottonseed meal, corn meal, wheat bran, grain screenings, clipped oat by-products, cane molasses, limestone, salt.
Allied Mills	F.	24.82	4.24	52.80	8.20	9.94	8.01	
Chicago, Ill.								
Wayne Amco 20% Dairy Ration .	G.	20.00	4.00	54.00	....	....	9.00	Cottonseed meal, brewers' dried grains, corn distillers' dried grains, oats, corn gluten feed, corn meal, soybean oil meal, corn gluten meal, linseed meal, wheat bran, cane molasses, steamed bone meal, limestone, salt.
Allied Mills	F.	23.12	4.51	55.12	8.06	9.19	8.24	
Chicago, Ill.								
Wayne Amco 24% Dairy Ration .	G.	24.00	4.00	49.00	....	....	9.00	Cottonseed meal, corn gluten meal, corn distillers' dried grains, brewers' dried grains, corn gluten feed, linseed meal, soybean oil meal, peanut oil meal, oats, corn meal, wheat bran, cane molasses, steamed bone meal, limestone, salt.
Allied Mills	F.	25.22	5.05	52.69	8.52	8.52	8.45	
Chicago, Ill.								
Wayne Amco 12% Fitting Ration	G.	12.00	3.00	59.00	....	....	9.00	Corn meal, soybean oil meal, oats, linseed meal, wheat bran, cane molasses, steamed bone meal, limestone, salt.
Allied Mills	F.	14.27	4.58	63.39	6.82	10.94	6.77	
Chicago, Ill.								
Bailey's New Deal Dairy Ration	G.	20.00	5.00	58.00	....	....	11.00	Corn gluten feed, white hominy feed, brewers' dried grains, cottonseed meal, linseed meal, standard wheat middlings, wheat bran, oat meal mill by-products, salt, bone meal, calcium carbonate, molasses.
E. W. Bailey & Co.	F.	20.05	4.89	59.06	5.92	10.08	11.45	
Montpelier, Vt.								
Capital Dairy Ration Sweetened	G.	24.00	5.00	55.00	....	....	9.00	Corn gluten feed, linseed meal, hominy feed, cottonseed meal, oats, wheat bran, corn meal, bone meal, calcium carbonate, salt, molasses.
E. W. Bailey & Co.	F.	24.21	4.74	54.59	6.77	9.69	7.03	
Montpelier, Vt.								
Favorite Dairy Ration								
Sweetened	G.	20.00	4.00	55.00	....	....	7.50	White hominy feed, cottonseed meal, linseed meal, corn meal, oats, wheat bran, soybean oil meal, corn gluten feed, wheat middlings, bone meal, calcium carbonate, salt, molasses.
E. W. Bailey & Co.	F.	20.31	4.63	58.68	6.50	9.88	6.48	
Montpelier, Vt.								

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Our 20 Special	G.	20.00	3.50	55.00	....	....	9.00	Gluten feed, wheat middlings, oat meal mill by-products, corn meal, wheat bran, cottonseed meal, molasses, salt, bone meal, calcium carbonate, soybean oil meal.
E. W. Bailey & Co. Montpelier, Vt.	F.	19.73	4.33	60.08	6.86	9.00	8.51	
Barco 16% Dairy Ration	G.	16.00	5.00	60.00	....	....	9.00	Corn gluten feed, linseed meal, hominy feed, cottonseed meal, oats, wheat bran, bone meal, calcium carbonate, salt.
G. N. Bartemus Co. Concord, N. H.	F.	17.38	5.00	62.51	6.46	8.65	7.28	
Barco 20% Dairy Ration	G.	20.00	4.50	55.00	....	....	7.50	White hominy feed, cottonseed meal, linseed meal, corn meal, oats, wheat bran, corn gluten feed, wheat middlings, bone meal, calcium carbonate, salt.
G. N. Bartemus Co. Concord, N. H.	F.	23.26	4.67	55.22	8.12	8.73	7.83	
Barco 24% Sweetened Dairy Ration	G.	24.00	4.45	55.00	....	....	9.00	Corn gluten feed, linseed meal, hominy feed, cottonseed meal, oats, wheat bran, corn meal, bone meal, calcium carbonate, fine salt.
G. N. Bartemus Co. Concord, N. H.	F.	24.62	4.48	53.74	7.92	9.24	7.62	
Blaine's 20% Special Dairy Ration	G.	20.00	5.00	50.00	....	....	8.00	Gluten feed, cottonseed meal, hominy, linseed meal, wheat bran, red dog middlings, salt.
G. N. Bartemus Co. Concord, N. H.	F.	21.54	4.14	58.45	5.47	10.40	6.49	
Concord 20% Sweetened Ration	G.	20.00	3.00	45.00	....	....	9.00	Corn gluten feed, wheat bran, gluten meal, hominy feed, cottonseed meal, brewers' grains, linseed meal, molasses, bone meal, limestone, salt.
G. N. Bartemus Co. Concord, N. H.	F.	22.02	3.68	56.86	7.68	9.76	6.70	
New Deal Dairy Feed	G.	20.00	5.00	58.00	....	....	11.00	Gluten feed, hominy feed, linseed meal, bone meal, brewers' grains, cottonseed meal, wheat middlings, calcium carbonate, wheat bran, salt, molasses, oat feed.
G. N. Bartemus Co. Concord, N. H.	F.	21.01	5.02	57.37	6.59	10.01	10.87	
Special 20% Dairy Sweetened	G.	20.00	3.65	48.00	....	....	10.00	Corn gluten feed, wheat middlings, oat feed, wheat bran, cottonseed meal, salt, molasses, bone meal, lime.
G. N. Bartemus Co. Concord, N. H.	F.	21.19	4.08	56.94	8.17	9.62	8.42	

Auburn Brand Auburn Dairy Feed	G.	20.00	4.00	45.00	....	....	10.00	Corn gluten feed, linseed meal, oats, corn meal, grain screenings, cottonseed meal, wheat bran, barley, brewers' dried grains, molasses, salt, calcium carbonate, calcium phosphate, corn distillers' dried grains, soybean oil meal.
Beacon Milling Co. Cayuga, N. Y.	F.	20.53	3.63	60.30	6.08	9.46	6.34	
Beacon Sweet 20	G.	20.00	4.50	50.00	....	....	9.00	Linseed meal, soybean oil meal, corn distillers' dried grains, cottonseed meal, wheat bran, wheat middlings, mill run screenings, brewers' dried grains, corn gluten meal, corn gluten feed, barley, corn meal, oats, molasses, calcium carbonate, salt.
Beacon Milling Co. Cayuga, N. Y.	F.	20.79	3.69	59.84	6.95	8.73	7.00	
Beacon Sweet 24	G.	24.00	4.00	55.00	....	....	9.00	Linseed meal, soybean oil meal, corn gluten meal, cottonseed meal, corn gluten feed, corn meal, brewers' dried grains, corn distillers' dried grains, wheat bran, mill run screenings, oats, barley, molasses, salt, calcium carbonate.
Beacon Milling Co. Cayuga, N. Y.	F.	25.04	3.92	54.73	7.35	8.96	7.14	
Corson's No. 1 Dairy Ration	G.	20.00	4.50	60.00	....	....	10.00	Wheat bran, gluten feed, peanut meal, linseed meal, dried brewers' grains, molasses, corn feed meal, cottonseed meal, salt, calcium carbonate, cod liver oil.
Freeman Corson Rochester, N. H.	F.	22.51	3.66	55.33	8.54	9.96	8.96	
Coweco 20% Sunrise Dairy Ration	G.	20.00	3.50	50.00	....	....	10.00	Wheat bran, wheat middlings, brewers' grains, gluten feed, distillers' grains, grain cleanings, soybean meal, cocoanut oil meal, cottonseed meal, molasses, calcium carbonate, salt.
E. A. Cowee Co. Fitchburg, Mass.	F.	18.13	4.01	62.10	6.75	9.01	11.24	
Dairy-Aide 20% Ration	G.	20.00	4.00	55.00	....	....	9.00	Wheat bran, wheat middlings, barley, brewers' grains, grain screenings, soybean meal, cottonseed meal, gluten meal, molasses, calcium carbonate, bone meal, salt.
E. A. Cowee Co. Fitchburg, Mass.	F.	23.03	3.59	57.01	8.10	8.27	10.99	
Dairy-Aide 24% Ration	G.	24.00	4.00	55.00	....	....	9.00	Wheat bran, wheat middlings. barley, brewers' grains, grain screenings, soybean meal, cottonseed meal, gluten meal, molasses, calcium carbonate, bone meal, salt.
E. A. Cowee Co. Fitchburg, Mass.	F.	22.62	4.01	54.16	8.83	10.38	9.53	
Dunbar's Dairy Ration	G.	22.00	4.50	48.00	....	....	10.00	Wheat bran, linseed meal, cottonseed meal, brewers' grains, oats, hominy, gluten meal, bone meal, charcoal, calcium carbonate, salt.
E. A. Cowee Co. Fitchburg, Mass.	F.	22.00	4.50	57.31	7.74	8.45	11.53	

Brand and Manufacturer	Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Champion Dairy Ration	G.	24.00	4.75	50.00	....	....	8.50	Wheat bran, cottonseed meal, gluten feed, gluten meal, linseed meal, oats, corn meal or hominy, brewers' dried grains, distillers' grains, wheat middlings, salt, bone meal.
G. B. Currier Co.	F.	25.74	4.38	51.05	8.31	10.52	8.06	
Colebrook, N. H.								
Delaware 20% Dairy Feed . . .	G.	20.00	5.00	50.00	....	....	10.00	Corn gluten feed, linseed meal, cottonseed meal, dried beet pulp, hominy feed, corn meal, wheat bran, wheat middlings, salt, calcium carbonate.
Delaware Mills	F.	24.26	5.07	52.07	9.86	8.74	8.86	
Deposit, N. Y.								
Indian Sweet 20% Dairy Feed .	G.	20.00	4.00	50.00	....	....	12.00	Cane molasses, linseed meal, corn gluten feed, cottonseed meal, soybean oil meal, peanut oil meal, wheat bran, wheat middlings, corn meal, oat feed, buckwheat, phosphatic calcium carbonate, salt.
Delaware Mills	F.	21.75	3.06	56.28	8.99	9.92	10.94	
Deposit, N. Y.								
Indian Sweet 24% Dairy Feed .	G.	24.00	4.00	50.00	....	....	12.00	Cane molasses, linseed meal, corn gluten feed, cottonseed meal, soybean oil meal, peanut oil meal, wheat bran, wheat middlings, corn meal, oat feed, buckwheat, phosphatic calcium carbonate, salt.
Delaware Mills	F.	24.08	4.00	55.17	8.54	8.21	10.46	
Deposit, N. Y.								
D & G Dairy Feed	G.	20.00	4.00	54.00	....	....	12.00	Cottonseed meal, peanut meal, linseed meal, gluten feed, corn feed meal, wheat bran, grain screenings, clipped oat by-products, oat middlings, oat shorts, oat hulls, molasses, bone meal, soybean oil meal, calcium carbonate, salt.
Dietrich & Gambrill	F.	20.53	3.89	56.89	9.07	9.62	12.00	
Frederick, Md.								
Gambrill's A 1 Dairy Feed . .	G.	24.00	4.60	51.00	....	....	9.00	Gluten feed, cottonseed meal, linseed meal, peanut meal, dried brewers' grains, wheat bran, wheat middlings, corn feed meal, oats, molasses, calcium carbonate, bone meal, salt.
Dietrich & Gambrill	F.	25.87	4.77	51.54	8.48	9.34	8.29	
Frederick, Md.								
Gambrill's 16% Dairy Feed . .	G.	16.00	3.50	57.00	....	....	12.00	Cottonseed meal, peanut meal, gluten feed, wheat bran, corn feed meal, wheat screenings, clipped oat by-products, oat middlings, oat shorts, oat hulls, molasses, bone meal, calcium carbonate, salt.
Dietrich & Gambrill	F.	16.99	3.62	61.01	9.31	9.07	13.08	
Frederick, Md.								
Pen Mar Dairy Feed	G.	20.00	4.00	56.00	....	....	9.00	Gluten feed, cottonseed meal, linseed meal, peanut meal, dried brewers' grains, oats, corn feed meal, wheat bran, wheat middlings, molasses, calcium carbonate, bone meal, salt.
Dietrich & Gambrill	F.	22.24	3.86	55.32	8.53	10.05	7.50	
Frederick, Md.								

Drimolass Feed Mixture . . .	G.	9.00	5.00	80.00	....	....	6.00	Chocolate residue, cane molasses.
Drimolass Corporation . . . New York, N. Y.	F.	10.42	3.68	71.52	9.31	5.07	10.34	
Eastern States Fitting Ration Open Formula	G.	12.00	3.50	59.00	....	....	8.00	Yellow corn meal, wheat bran, mill run screenings, oats, barley, cane molasses, alfalfa leaf meal, linseed meal,
Eastern States Farmers' Exchange . . . . . Springfield, Mass.	F.	14.01	4.63	64.03	6.12	11.21	6.83	soybean oil meal, dicalcium phosphate, sardine oil, salt.
Eastern States Fulpail Dairy Ration Open Formula	G.	20.00	4.50	53.00	....	....	8.50	Yellow hominy feed, distillers' corn dried grains, wheat bran, mill run screenings, oats, cottonseed meal, soybean
Eastern States Farmers' Exchange . . . . . Springfield, Mass.	F.	21.58	5.26	56.96	6.01	10.19	7.09	oil meal, corn gluten feed, cane molasses, linseed meal, barley, dicalcium phosphate, salt.
Eastern States Highland 12 Open Formula	G.	12.00	3.00	61.00	....	....	11.00	Yellow corn meal, oat mill feed, wheat bran, mill run screenings, barley, cane molasses, distillers' corn dried
Eastern States Farmers' Exchange . . . . . Springfield, Mass.	F.	12.78	4.03	66.45	7.21	9.53	10.22	grains, soybean oil meal, alfalfa leaf meal, calcium carbonate, salt.
Eastern States Highland 16 Dairy Ration Open Formula .	G.	16.00	4.00	57.00	....	....	11.00	Yellow hominy feed, oat mill feed, distillers' corn dried grains, cane molasses, barley, wheat bran, mill run
Eastern States Farmers' Exchange . . . . . Springfield, Mass.	F.	17.91	4.85	61.96	6.32	8.96	10.31	screenings, corn gluten feed, cottonseed meal, soybean oil meal, peanut oil meal, calcium carbonate, salt.
Eastern States Highland 20 Dairy Ration Open Formula .	G.	20.00	4.00	53.00	....	....	11.50	Oat mill feed, distillers' corn dried grains, cottonseed meal, cane molasses, soybean oil meal, yellow hominy
Eastern States Farmers' Exchange . . . . . Springfield, Mass.	F.	21.49	4.56	57.83	7.00	9.12	10.90	feed, barley, wheat bran, mill run screenings, corn gluten feed, peanut oil meal, calcium carbonate, salt.
Eastern States Milkmore Dairy Ration Open Formula .	G.	24.00	4.50	49.00	....	....	9.00	Cottonseed meal, distillers' corn dried grains, corn gluten feed, wheat bran, mill run wheat screenings,
Eastern States Farmers' Exchange . . . . . Springfield, Mass.	F.	25.74	4.83	53.67	6.74	9.02	7.94	soybean oil meal, yellow hominy feed, oats, cane molasses, linseed meal, dicalcium phosphate, salt.

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Eastern States Sixteen Dairy Ration Open Formula	G.	16.00	4.00	56.00	....	....	8.00	Yellow hominy feed, wheat bran, mill run screenings, oats, distillers' corn dried grains, cane molasses, corn gluten feed, barley, cottonseed meal, linseed meal, soybean oil meal, dicalcium phosphate, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F.	17.42	5.02	61.30	5.69	10.57	6.58	
Dairyman's Emergency Ration	G.	20.00	3.00	50.00	....	....	12.00	Wheat bran, copra oil meal, corn gluten feed, cottonseed meal, cane molasses, oats, wheat screenings, calcium carbonate, salt, soybean oil meal.
Elmore Milling Co. Oneonta, N. Y.	F.	21.80	5.28	55.16	8.98	8.78	11.21	
Elmore Milk Grains Junior Sweet	G.	20.00	4.50	55.00	....	....	10.00	Corn distillers' grains, wheat bran, linseed meal, corn meal or hominy feed, barley, malt sprouts, corn gluten feed, cottonseed meal, dried brewers' grains, calcium carbonate, salt, molasses, soybean oil meal.
Elmore Milling Co. Oneonta, N. Y.	F.	22.37	4.37	58.09	5.85	9.32	8.43	
Elmore's Sweet Digesto Dairy Feed	G.	16.00	4.00	60.00	....	....	12.00	Corn gluten feed, cottonseed meal, wheat bran, wheat screenings, oat meal mill by-products, cane molasses, salt, cocoanut oil meal.
Elmore Milling Co. Oneonta, N. Y.	F.	18.21	3.26	62.51	5.33	10.69	12.90	
Granger 20% Dairy Ration	G.	20.00	4.00	55.00	....	....	11.00	Wheat bran, wheat middlings, barley, cottonseed meal, corn gluten feed, corn meal or hominy feed, soybean meal, cane molasses, wheat screenings, calcium carbonate, salt, oats, copra oil meal, dried brewers' grains.
Elmore Milling Co. Oneonta, N. Y.	F.	22.64	4.06	56.73	7.03	9.54	10.57	
Granger 24% Dairy Ration	G.	24.00	4.00	45.00	....	....	10.00	Wheat bran, wheat middlings, cottonseed meal, barley, soybean meal, corn gluten feed, cane molasses, wheat screenings, calcium carbonate, salt, oats, dried brewers' grains.
Elmore Milling Co. Oneonta, N. Y.	F.	24.87	4.71	53.98	6.92	9.52	11.38	
Waldorf 24% Dairy Ration	G.	24.00	4.00	45.00	....	....	11.00	Wheat bran, corn gluten feed, soybean oil meal, cottonseed meal, cane molasses, oats, wheat screenings, calcium carbonate, salt.
Elmore Milling Co. Oneonta, N. Y.	F.	24.87	5.02	53.12	7.05	9.94	10.11	
Eshelman Certified 20 Dairy Ration	G.	20.00	4.00	54.00	....	....	8.00	Corn gluten feed, hominy feed, oats, linseed meal, wheat bran, cottonseed meal, soybean oil meal, wheat middlings, corn distillers' dried grains, cane molasses, steamed bone meal, calcium carbonate, salt.
John W. Eshelman & Sons Lancaster, Pa.	F.	22.20	4.12	57.31	7.25	9.12	7.17	

Eshelman Conestoga 20 Dairy Feed John W. Eshelman & Sons Lancaster, Pa.	G. F.	20.00 21.10	4.00 4.52	55.00 55.74	.... 9.08	.... 9.56	11.00 8.61	Cottonseed meal, wheat bran, cane molasses, corn gluten feed, dried brewers' grains, corn distillers' grains, soybean oil meal, linseed meal, grain screenings, bone meal, calcium carbonate, salt.
Eshelman Lancaster 20 Dairy Feed John W. Eshelman & Sons Lancaster, Pa.	G. F.	20.00 23.03	4.00 4.39	55.00 55.82	.... 7.29	.... 9.47	11.00 8.33	Wheat bran, cottonseed meal, oats, corn gluten feed, cane molasses, dried brewers' grains, corn distillers' grains, corn meal, linseed meal, soybean oil meal, bone meal, calcium carbonate, salt.
C Dairy Farm Service Stores Fitchburg, Mass.	G. F.	20.00 22.59	4.00 4.58	53.00 56.10	.... 7.95	.... 8.78	9.00 8.39	Hominy or corn meal, wheat bran, oats, gluten feed, gluten meal, oil meal, cottonseed meal, soybean oil meal, calcium carbonate, salt, beet pulp.
18% Dairy Ration Farm Service Stores Fitchburg, Mass.	G. F.	18.00 19.48	3.50 3.82	58.00 60.47	.... 7.54	.... 8.69	13.00 12.09	Wheat bran, linseed meal, soybean oil meal, cottonseed meal, brewers' grains, corn meal, gluten feed, oat middlings, molasses, salt, calcium carbonate.
North Star 24% Dairy Feed Farm Service Stores Fitchburg, Mass.	G. F.	24.00 24.34	4.00 4.00	53.00 55.69	.... 7.08	.... 8.89	11.00 8.57	Wheat bran, brewers' grains, oats, corn meal, linseed meal, gluten feed, cottonseed meal, soybean oil meal, bone meal, molasses, limestone, salt.
Wilbur's Dairy Mixture Farm Service Stores Fitchburg, Mass.	G. F.	20.00 20.79	5.00 4.83	55.00 56.72	.... 6.28	.... 11.38	9.00 7.64	Hominy, wheat bran, brewers' grains, gluten feed, cottonseed meal, oats, soybean oil meal, molasses, lime, salt.
Brookside 20% Dairy Ration First National Stores Somerville, Mass.	G. F.	20.00 20.84	3.50 3.92	65.00 58.98	.... 6.67	.... 9.59	10.00 9.27	Corn distillers' dried grains, corn gluten feed, linseed meal, cottonseed meal, soybean oil meal, wheat bran, wheat middlings, mill run screenings, corn meal, cane molasses, steamed bone meal, calcium carbonate, salt.
Grandin's 12 Twin Six 12 Dairy Feed D. H. Grandin Milling Co. Jamestown, N. Y.	G. F.	22.00 21.58	5.00 5.44	50.00 56.81	.... 6.93	.... 9.24	12.00 7.89	Linseed meal, cottonseed meal, soybean oil meal, cocoanut oil meal, corn gluten feed, wheat bran, wheat middlings, mill run screenings, corn meal, corn feed meal, hominy feed, alfalfa meal, steamed bone meal, calcium carbonate, salt.

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Grandin's 32% Dairy Feed . .	G.	32.00	4.00	40.00	....	....	9.00	Cottonseed meal, soybean oil meal, linseed meal, corn gluten feed, corn gluten meal, wheat bran, mill run screenings, steamed bone meal, salt, calcium carbonate, cane molasses.
D. H. Grandin Milling Co. . Jamestown, N. Y.	F.	31.52	4.61	44.84	10.34	8.69	7.83	
Grandin's Milk Maker	G.	20.00	5.00	50.00	....	....	12.00	Linseed meal, cottonseed meal, soybean oil meal, cocoanut oil meal, corn gluten feed, wheat bran, wheat middlings, mill run screenings, corn meal, corn feed meal, hominy feed, beet pulp, steamed bone meal, calcium carbonate, salt.
D. H. Grandin Milling Co. . Jamestown, N. Y.	F.	22.55	5.09	55.37	7.48	9.51	8.32	
Grandin's Sweetened 16% Dairy Feed	G.	16.00	4.00	50.00	....	....	10.00	Linseed meal, cottonseed meal, corn gluten feed, wheat bran, wheat middlings, mill run screenings, corn meal, corn feed meal, hominy feed, barley, cane molasses, steamed bone meal, calcium carbonate, salt.
D. H. Grandin Milling Co. . Jamestown, N. Y.	F.	20.72	4.31	57.68	7.48	9.81	7.65	
Grandin's Sweetened 20% Dairy Feed	G.	20.00	4.00	50.00	....	....	10.00	Linseed meal, cottonseed meal, soybean oil meal, corn gluten feed, wheat bran, wheat middlings, mill run screenings, corn meal, corn feed meal, hominy feed, cane molasses, steamed bone meal, calcium carbonate, salt.
D. H. Grandin Milling Co. . Jamestown, N. Y.	F.	21.23	4.47	56.91	7.21	10.18	6.90	
M-S (Money Saver) 20% Sweetened Dairy Feed	G.	20.00	3.50	50.00	....	....	12.00	Cane molasses, cottonseed meal, soybean oil meal, linseed meal, corn gluten feed, distillers' corn dried grains, brewers' dried grains, wheat bran, wheat middlings, grain screenings, oat mill feed, steamed bone meal, calcium carbonate, salt.
D. H. Grandin Milling Co. . Jamestown, N. Y.	F.	20.49	3.68	56.93	9.18	9.72	10.79	
Daily Milk Dairy Feed . . .	G.	16.00	4.00	58.00	....	....	12.00	Wheat bran, cottonseed meal, wheat standard middlings, mill run screenings, molasses, linseed meal, corn gluten meal, corn gluten feed, grain screenings, clipped oat by-products, calcium carbonate, salt, soybean oil meal, malt sprouts.
Great Atlantic & Pacific Tea Co. . . . . New York, N. Y.	F.	19.35	4.24	58.97	8.99	8.45	10.42	

Milky Way Dairy Feed 20% . . .	G.	20.00	3.50	56.00	....	....	9.00	Corn feed meal, wheat bran, cottonseed meal, wheat middlings, mill run screenings, oats, barley, molasses, soybean oil meal, linseed meal, corn gluten meal, calcium carbonate, salt, corn gluten feed, malt sprouts.
Great Atlantic & Pacific Tea Co.	F.	22.46	3.56	58.32	7.65	8.01	9.78	
New York, N. Y.								
Milky Way Dairy Feed 24% . . .	G.	24.00	4.00	52.00	....	....	9.00	Corn feed meal, wheat bran, cottonseed meal, wheat standard middlings, mill run screenings, oats, barley, molasses, linseed meal, corn gluten meal, corn gluten feed, calcium carbonate, salt, soybean oil meal, malt sprouts.
Great Atlantic & Pacific Tea Co.	F.	25.08	3.49	55.70	8.25	7.48	8.92	
New York, N. Y.								
Phoenix 20 Dairy Ration Open Formula	G.	20.00	4.50	53.00	....	....	9.00	Corn meal, wheat bran, flour middlings, corn gluten feed, corn distillers' grains, brewers' grains, soybean oil meal, linseed meal, cottonseed meal, fish meal, oats, cane molasses, calcium phosphate, calcium carbonate, salt.
Great Eastern Feed Mills . . .	F.	22.86	4.91	56.94	7.08	8.21	10.85	
Lowell, Mass.								
Phoenix 24 Dairy Ration Open Formula	G.	24.00	5.00	49.00	....	....	9.00	Soybean oil meal, linseed meal, cottonseed meal, brewers' grains, corn distillers' grains, corn gluten feed, corn meal, wheat bran, flour middlings, oats, fish meal, cane molasses, calcium phosphate, calcium carbonate, salt.
Great Eastern Feed Mills . . .	F.	25.56	5.00	54.66	6.94	7.84	9.16	
Lowell, Mass.								
20% Open Formula Dairy Feed .	G.	20.00	4.50	53.00	....	....	8.00	Yellow hominy, wheat bran, dried distillers' grains, corn gluten feed, cottonseed meal, soybean oil meal, molasses, oats, dicalcium phosphate, salt.
E. C. & W. L. Hopkins	F.	21.75	4.76	56.53	7.37	9.59	8.00	
Greenfield, N. H.								
Granite State 20% Dairy Feed .	G.	20.00	4.00	50.00	....	....	11.00	Corn meal, gluten feed, cottonseed meal, linseed meal, malt grains, wheat bran, soybean oil meal, distillers' dried grains, molasses, bone meal, calcium carbonate, kelp.
E. C. & W. L. Hopkins	F.	21.27	4.80	56.21	8.62	9.10	8.78	
Greenfield, N. H.								
Granite State 24% Dairy Feed .	G.	24.00	4.00	48.00	....	....	10.00	Gluten feed, corn meal or hominy, linseed meal, wheat bran, cottonseed meal, malt grains, molasses, barley, oats, distillers' grains, soybean meal, bone meal, calcium carbonate, kelp.
E. C. & W. L. Hopkins	F.	24.65	3.93	51.86	11.14	8.42	8.96	
Greenfield, N. H.								
Granite State Fitting Ration .	G.	12.00	3.50	54.00	....	....	8.00	Wheat bran, wheat middlings, corn meal, hominy, molasses, oats, linseed meal, soybean oil meal, calcium carbonate, kelp.
E. C. & W. L. Hopkins	F.	14.93	4.39	63.59	6.71	10.38	6.46	
Greenfield, N. H.								

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
P and Q 20% Dairy	G.	20.00	3.50	50.00	....	....	11.00	Wheat bran, wheat middlings, gluten meal, dried distillers' grains, soybean oil meal, cottonseed meal, oat feed, calcium carbonate, salt, molasses.
E. C. & W. L. Hopkins Greenfield, N. H.	F.	21.76	3.84	54.72	9.52	10.16	10.81	
Swain's Dairy Feed	G.	20.00	4.00	55.00	....	....	9.00	Linseed meal, cottonseed meal, corn meal, corn gluten meal, oats, wheat bran, dried beet pulp, calcium carbonate, salt.
E. C. & W. L. Hopkins Greenfield, N. H.	F.	22.11	4.26	56.46	5.98	11.19	9.44	
Independent 20% Dairy Ration Open Formula	G.	20.00	4.50	53.00	....	....	8.00	Wheat bran, mill run wheat screenings, hominy feed, cottonseed meal, distillers' dried grains, brewers' dried grains, oats, corn gluten feed, soybean oil meal, cane molasses, dicalcium phosphate, salt.
Independent Grain Dealers' Association Manchester, N. H.	F.	17.06	4.19	60.79	7.56	10.40	10.39	
Independent 24% Dairy Ration Open Formula	G.	24.00	4.50	49.00	....	....	9.00	Cottonseed meal, distillers' corn dried grains, corn gluten feed, wheat bran, mill run wheat screenings, soybean oil meal, yellow corn meal, oats, cane molasses, linseed meal, dicalcium phosphate, salt.
Independent Grain Dealers' Association Manchester, N. H.	F.	25.70	4.24	53.27	6.53	10.26	9.48	
Johnson's Dairy Feed	G.	16.00	3.00	56.00	....	....	9.00	Corn meal, linseed meal, cottonseed meal, oats, wheat bran, gluten feed, salt.
Ralph P. Johnson Potter Place, N. H.	F.	18.56	4.06	60.67	6.93	9.78	7.46	
Apex 20% Dairy Ration	G.	20.00	3.50	50.00	....	....	12.00	Malt sprouts, dried brewers' grains, corn distillers' grains, soybean meal, cottonseed meal, corn gluten feed, corn gluten meal, wheat bran, grain screenings, oat-mill feed, cane molasses, salt, calcite.
Kasco Mills Waverly, N. Y.	F.	24.08	4.45	53.98	8.90	8.59	8.39	
Beatsall Milk Grains	G.	22.00	4.00	50.00	....	....	10.00	Wheat bran, wheat middlings, mill run screenings, linseed meal, corn gluten feed, cottonseed meal, soybean meal, hominy feed, salt, calcite, beet pulp, molasses, corn gluten meal, corn distillers' grains.
Kasco Mills Waverly, N. Y.	F.	25.52	4.55	53.42	7.46	9.05	7.77	

Kasco 16% Dairy Feed	G.	16.00	3.50	50.00	....	....	12.00	Wheat bran, corn gluten feed, cottonseed meal, oats, barley, corn meal, grain screenings, molasses, salt, calcite, corn gluten meal, oat mill feed, soybean meal, malt sprouts, brewers' grains, corn distillers' grains.
Kasco Mills	F.	20.84	4.07	55.54	9.92	9.63	8.26	
Waverly, N. Y.								
Larro: The Ready Ration . .	G.	20.00	3.75	57.00	....	....	12.00	Cottonseed meal, yellow corn meal, standard wheat middlings, soybean oil meal, linseed meal, corn gluten feed, beet pulp, wheat bran, salt.
Larrowe Milling Co.	F.	22.46	3.93	58.00	6.35	9.26	10.15	
Detroit, Mich.								
Larrowe's 16 Dairy Feed . .	G.	16.00	3.00	63.00	....	....	11.00	Cottonseed meal, corn gluten feed, wheat standard middlings, linseed meal, yellow corn meal, dried beet pulp, wheat bran, salt.
Larrowe Milling Co.	F.	19.17	3.55	62.55	6.14	8.59	9.39	
Detroit, Mich.								
B-B Hi-Test Dairy Feed 20% Sweetened	G.	20.00	4.00	50.00	....	....	12.00	Dried brewers' grains, cottonseed meal, corn gluten feed, soybean oil meal, hominy feed, oats, corn meal, grain screenings, wheat bran, molasses, steamed bone meal, calcium carbonate, salt.
Maritime Milling Co.	F.	22.15	5.07	54.16	8.90	9.72	8.92	
Buffalo, N. Y.								
B-B Marmico Dairy Feed 16% with Molasses	G.	16.00	4.00	58.00	....	....	12.00	Dried brewers' grains, soybean oil meal, cottonseed meal, corn gluten feed, corn meal, grain screenings, wheat bran, oat hulls, oat shorts, oat middlings, molasses, steamed bone meal, calcium carbonate, salt.
Maritime Milling Co.	F.	19.35	4.28	57.11	9.35	9.91	10.59	
Buffalo, N. Y.								
Merrimack Dairy Ration . . .	G.	20.00	4.00	50.00	....	....	10.00	Corn gluten feed, linseed meal, cottonseed meal, corn meal, wheat bran, wheat middlings, oats, salt, calcium carbonate, bone meal, soybean oil meal, brewers' grains.
Merrimack Farmers' Exchange	F.	21.36	4.60	56.37	8.39	9.28	7.79	
Concord, N. H.								
Merrimack Eureka Dairy Ration	G.	20.00	4.00	55.00	....	....	11.00	Oat mill feed, gluten feed, cottonseed meal, wheat bran, gluten meal, soybean meal, molasses, limestone, salt.
Merrimack Farmers' Exchange	F.	20.53	3.42	57.44	8.00	10.61	10.82	
Concord, N. H.								
Merrimack Fitting Ration . .	G.	14.00	4.50	60.00	....	....	8.00	Soybean oil meal, oats, corn meal, wheat bran, linseed meal, bone meal, calcium carbonate, salt.
Merrimack Farmers' Exchange	F.	15.59	4.80	63.53	6.84	9.24	6.82	
Concord, N. H.								
Merrimack Fodder Ration . .	G.	10.00	2.00	50.00	....	....	25.00	Dried beet pulp, dried brewers' grains, oat mill feed, molasses.
Merrimack Farmers' Exchange	F.	16.90	2.34	63.38	7.66	9.72	16.39	
Concord, N. H.								

Brand and Manufacturer	Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Merrimack Milk Ration Sweetened	G. 20.00	4.00	53.00	....	....	8.50	Wheat bran, wheat middlings, gluten feed, gluten meal, linseed meal, soybean oil meal, cottonseed meal, oats, corn meal, dried brewers' grains, molasses, bone meal, calcium carbonate, salt.
Merrimack Farmers' Exchange Concord, N. H.	F. 21.10	4.21	56.41	8.86	9.42	7.64	
Morrill's Dairy Ration . .	G. 20.00	3.50	50.00	....	....	9.00	Corn gluten feed, linseed meal, oats, cottonseed meal, corn meal, wheat bran, salt, calcium carbonate.
J. H. Morrill	F. 21.93	3.53	58.70	5.66	10.18	8.12	
Laconia, N. H.							
New England Economy 20% Dairy Feed	G. 20.00	4.00	45.00	....	....	10.50	Gluten feed, cottonseed meal, wheat bran, wheat middlings, soybean meal, oat by-products, linseed meal, dried distillers' grains, corn meal, molasses, salt.
New England Grain Co. . . .	F. 20.09	3.73	57.99	7.28	10.91	12.76	
Portland, Maine							
Bidwell 20% Dairy Ration .	G. 20.00	4.00	58.00	....	....	11.00	Wheat bran, linseed meal, soybean meal, barley, cottonseed meal, gluten feed, gluten meal, wheat screenings, malt sprouts, molasses, calcium carbonate, salt.
Park & Pollard Co.	F. 19.67	3.52	56.95	9.61	10.25	10.90	
Boston, Mass.							
Bidwell 24% Dairy Ration .	G. 24.00	4.00	55.00	....	....	11.00	Wheat bran, linseed meal, soybean meal, barley, cottonseed meal, corn gluten feed, grain screenings, malt sprouts, corn gluten meal, molasses, calcium carbonate, salt.
Park & Pollard Co.	F. 23.73	4.33	53.19	8.98	9.77	7.87	
Boston, Mass.							
Manamar 20% Dairy Ration .	G. 20.00	4.00	50.00	....	....	9.00	Kelp, fish meal, sea shells, corn distillers' grains, linseed meal, soybean oil meal, malt sprouts, wheat bran, brewers' dried grains, hominy feed, oats, molasses, calcium carbonate, salt.
Park & Pollard Co.	F. 21.62	4.92	54.97	9.73	8.76	8.90	
Boston, Mass.							
Manamar Doublex 20% Dairy Ration	G. 20.00	4.00	50.00	....	....	10.00	Kelp, fish meal, sea shells, linseed meal, gluten feed, gluten meal, soybean meal, barley, wheat bran, malt sprouts, cottonseed meal, hominy, grain screenings, molasses, calcium carbonate, salt.
Park & Pollard Co.	F. 19.70	4.01	58.41	8.49	9.39	8.60	
Boston, Mass.							

Milk Maid Sweetened 24% Dairy Ration	G.	24.00	4.00	50.00	....	....	11.00	Corn gluten feed, linseed meal, cottonseed meal, distillers' dried grains, soybean meal, wheat bran, brewers' dried grains, malt sprouts, corn gluten meal, corn meal, fish meal, molasses, calcium carbonate, salt.
Park & Pollard Co. . . . . Boston, Mass.	F.	23.27	3.87	54.67	9.06	9.13	8.97	
New Hampshire Ration	G.	20.00	3.00	45.00	....	....	9.00	Gluten feed, gluten meal, cottonseed meal, linseed meal, bran, hominy, brewers' grains, molasses, bone meal, salt, limestone.
Park & Pollard Co. . . . . Boston, Mass.	F.	20.84	3.49	57.62	8.36	9.69	5.99	
Yankee 20% Dairy Ration . .	G.	20.00	3.50	55.00	....	....	9.00	Corn gluten feed, cottonseed meal, wheat bran, wheat middlings, corn gluten meal, linseed meal, oats, corn meal, brewers' grains, molasses, calcium carbonate, salt.
Park & Pollard Co. . . . . Boston, Mass.	F.	20.66	3.30	56.74	9.27	10.03	7.51	
Quaker 20% Dairy Ration . .	G.	20.00	3.00	57.00	....	....	12.00	Hominy feed, barley meal, cottonseed meal, corn gluten feed, soybean oil meal, wheat bran, wheat standard middlings, oat mill feed, salt, iodized limestone, molasses.
Quaker Oats Co. . . . . Chicago, Ill.	F.	19.39	3.20	60.38	8.66	8.37	11.04	
Quaker 24% Dairy Ration . .	G.	24.00	4.00	52.00	....	....	12.00	Hominy feed, yellow hominy feed, cottonseed meal, corn gluten feed, soybean oil meal, wheat bran, wheat standard middlings, oat mill feed, salt, iodized limestone, molasses.
Quaker Oats Co. . . . . Chicago, Ill.	F.	25.26	3.91	54.18	8.01	8.64	11.28	
Protena 16% Dairy Feed . . .	G.	16.00	3.50	54.00	....	....	14.00	Linseed meal, soybean oil meal, gluten feed, alfalfa meal, wheat middlings, cottonseed meal, molasses, grain screenings, wheat bran, calcium carbonate, iodized salt.
Ralston Purina Co. . . . . St. Louis, Mo.	F.	18.69	3.58	59.03	9.33	9.37	8.69	
Protena 20% Dairy Feed . . .	G.	20.00	3.50	50.00	....	....	12.00	Linseed meal, soybean oil meal, cottonseed meal, gluten feed, wheat middlings, alfalfa meal, wheat bran, grain screenings, molasses, calcium carbonate, iodized salt.
Ralston Purina Co. . . . . St. Louis, Mo.	F.	22.37	4.02	54.22	9.63	9.76	9.34	
Purina Blue Checker Cow Chow 20%	G.	20.00	4.00	57.00	....	....	12.00	Dried beet pulp, linseed meal, soybean oil meal, corn gluten feed, cottonseed meal, distillers' corn dried grains, brewers' dried grains, wheat middlings, wheat bran, corn meal, alfalfa meal, molasses, calcium carbonate, iodized salt.
Ralston Purina Co. . . . . St. Louis, Mo.	F.	22.98	4.34	55.21	7.97	9.50	11.13	
Purina Dry and Fitting Chow	G.	12.50	2.50	59.00	....	....	14.00	Soybean oil meal, oats, dried beet pulp, corn meal, alfalfa meal, wheat middlings, wheat bran, molasses, calcium carbonate, iodized salt.
Ralston Purina Co. . . . . St. Louis, Mo.	F.	14.32	2.74	62.33	9.86	10.75	11.06	

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Purina Green Checker Cow Chow 24%	G.	24.00	4.00	49.00	....	....	12.00	Linseed meal, soybean oil meal, corn gluten feed, cottonseed meal, distillers' corn dried grains, brewers' dried grains, wheat middlings, wheat bran, alfalfa meal, molasses, calcium carbonate, iodized salt.
Ralston Purina Co. St. Louis, Mo.	F.	26.64	4.83	51.87	8.27	8.39	10.64	
Spaulding's Dairy Feed	G.	20.00	4.00	50.00	....	....	10.00	Linseed meal, cottonseed meal, gluten feed, corn meal or hominy feed, rye distillers' grains or brewers' grains, wheat bran or wheat middlings, mill run screenings, salt, calcium carbonate, molasses.
F. B. Spaulding Co. Lancaster, N. H.	F.	21.32	3.79	57.53	6.83	10.53	8.64	
Champlain Valley Emergency 20 Dairy Ration	G.	20.00	3.50	56.00	....	....	8.50	Linseed meal, soybean oil meal, cottonseed meal, brewers' dried grains, corn gluten meal, corn gluten feed, corn meal, hominy feed, oats, barley, wheat bran, wheat middlings, cane molasses, calcium carbonate, salt.
St. Albans Grain Co. St. Albans, Vt.	F.	21.14	3.62	55.15	10.94	9.15	6.41	
Hygrade 20 Milk Ration	G.	20.00	3.50	54.00	....	....	8.50	Linseed meal, soybean oil meal, cottonseed meal, brewers' dried grains, corn gluten meal, corn gluten feed, corn meal, hominy feed, oats, barley, wheat bran, wheat middlings, cane molasses, calcium carbonate, salt.
St. Albans Grain Co. St. Albans, Vt.	F.	22.33	3.76	55.47	9.43	9.01	6.25	
Hygrade 24 Milk Ration	G.	24.00	3.50	50.00	....	....	9.00	Corn gluten meal, corn gluten feed, linseed meal, soybean oil meal, cottonseed meal, brewers' dried grains, corn meal, hominy feed, oats, barley, wheat bran, wheat middlings, calcium carbonate, salt, cane molasses.
St. Albans Grain Co. St. Albans, Vt.	F.	25.83	3.51	53.88	7.91	8.87	6.15	
Utility 16 Dairy Ration	G.	16.00	3.00	60.00	....	....	13.00	Linseed meal, corn gluten meal, corn gluten feed, cottonseed meal, yellow corn meal, hominy feed, oats, barley, brewers' dried grains, oat meal mill by-products, wheat bran, wheat middlings, calcium carbonate, cane molasses, salt.
St. Albans Grain Co. St. Albans, Vt.	F.	16.72	3.21	63.50	7.55	9.02	12.43	

Utility 20 Dairy Ration . . .	G.	20.00	3.50	55.00	....	....	12.00	Linseed meal, soybean oil meal, corn gluten feed, cottonseed meal, corn meal, oats, barley, brewers' dried grains, oat middlings, oat hulls, wheat bran, wheat middlings, hominy feed, calcium carbonate, cane molasses, salt.
St. Albans Grain Co.	F.	20.75	3.78	57.33	9.96	8.18	10.15	
St. Albans, Vt.								
Wirthmore 16 Dairy Ration . .	G.	16.00	4.00	60.00	....	....	8.00	Corn gluten meal, corn distillers' dried grains, corn gluten feed, linseed meal, soybean oil meal, brewers' dried grains, yellow corn meal, hominy feed, oats, wheat bran, wheat middlings, cottonseed meal, calcium carbonate, cane molasses, steamed bone meal, salt.
St. Albans Grain Co.	F.	17.77	4.92	59.88	8.44	8.99	6.17	
St. Albans, Vt.								
Wirthmore 20 Dairy Feed Sweetened	G.	20.00	4.50	58.00	....	....	8.00	Corn gluten meal, corn distillers' dried grains, linseed meal, soybean oil meal, brewers' dried grains, cottonseed meal, corn gluten feed, yellow corn meal, oats, wheat middlings, wheat bran, bone meal, cane molasses, salt.
St. Albans Grain Co.	F.	21.80	4.25	58.49	5.87	9.59	6.56	
St. Albans, Vt.								
Wirthmore 25 Balanced Ration Sweetened	G.	25.00	4.50	55.00	....	....	8.50	Corn gluten meal, soybean oil meal, corn distillers' dried grains, linseed meal, oats, corn gluten feed, brewers' dried grains, cottonseed meal, wheat middlings, yellow corn meal, wheat bran, bone meal, salt, cane molasses.
St. Albans Grain Co.	F.	25.92	4.88	52.50	8.53	8.17	7.59	
St. Albans, Vt.								
Wirthmore 32 Supplement Dairy	G.	32.00	4.00	45.00	....	....	8.00	Gluten meal, gluten feed, soybean oil meal, linseed meal, cottonseed meal, wheat bran, wheat middlings, cane molasses, calcium carbonate, bone meal, salt.
St. Albans Grain Co.	F.	33.62	4.02	46.58	7.30	8.48	7.33	
St. Albans, Vt.								
Strafford County Dairy Feed .	G.	18.00	5.00	50.00	....	....	9.00	Wheat bran, corn meal, oats, linseed meal, gluten feed, cottonseed meal, salt, bone meal, molasses.
Strafford County Grain Mill .	F.	22.46	4.69	53.69	9.97	9.19	8.84	
Rochester, N. H.								
Stratton's White Clover 20% Dairy Feed	G.	20.00	4.00	50.00	....	....	11.00	Wheat bran, linseed meal, oat hulls, oat shorts, oat middlings, gluten feed, barley, cottonseed meal, grain screenings, molasses, calcium carbonate, salt.
Stratton & Co.	F.	23.25	3.39	56.82	8.37	8.17	10.81	
Concord, N. H.								

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Just Right Dairy Ration 20%	G.	20.00	4.50	58.00	....	....	10.00	Corn gluten feed, oats, wheat bran, corn, linseed meal, cottonseed meal, salt, calcium carbonate, bone meal.
B. M. Varrell Grain Co., Portsmouth, N. H.	F.	21.36	4.90	56.62	9.59	7.53	10.00	
Eventually Gold Medal Dairy Ration	G.	20.00	4.50	60.00	....	....	8.50	Wheat bran, wheat standard middlings, oats, yellow corn meal, corn gluten feed, cottonseed meal, linseed meal, limestone, salt.
Washburn Crosby Co., Minneapolis, Minn.	F.	22.51	4.43	55.84	8.23	8.99	8.04	
Blue Seal "20" Dairy Ration	G.	20.00	4.50	54.00	....	....	7.50	Linseed meal, soybean oil meal, oats, malt sprouts, gluten feed, cottonseed meal, hominy feed, wheat bran, corn distillers' grains, brewers' grains, cane molasses.
H. K. Webster Co., Lawrence, Mass.	F.	20.66	4.03	58.64	6.45	10.22	7.90	
Blue Seal Beet Pulp Dairy Ration	G.	22.00	4.50	56.00	....	....	11.00	Beet pulp, soybean oil meal, gluten meal, malt sprouts, wheat bran, oat feed, cottonseed meal, peanut skins, germs and meal, hominy feed, brewers' grains, cane molasses.
H. K. Webster Co., Lawrence, Mass.	F.	23.90	3.44	56.70	6.44	9.52	9.89	
Blue Seal Fitting Ration	G.	13.00	4.50	64.00	....	....	7.00	Oats, linseed meal, soybean oil meal, corn meal, barley, wheat bran, hominy feed, cane molasses, cod liver oil.
H. K. Webster Co., Lawrence, Mass.	F.	13.66	4.95	64.28	6.45	10.66	8.21	
Blue Seal Hom-Mix 24% Dairy Ration	G.	24.00	5.00	53.00	....	....	9.00	Cottonseed meal, soybean oil meal, malt sprouts, gluten meal, oat feed, wheat bran, hominy feed, peanut skins, germs and meal, linseed meal, dried brewers' grains, cane molasses.
H. K. Webster Co., Lawrence, Mass.	F.	24.30	3.66	56.36	6.26	9.42	9.52	
Blue Seal Special 20% Dairy Ration	G.	20.00	4.50	55.00	....	....	10.00	Cottonseed meal, soybean oil meal, malt sprouts, gluten feed, wheat bran, hominy feed, peanut skins, germs and meal, linseed meal, dried brewers' grains, cane molasses, oat feed.
H. K. Webster Co., Lawrence, Mass.	F.	20.31	3.43	59.84	6.76	9.66	10.67	
Whiting 20% Dairy Ration	G.	20.00	4.00	55.00	....	....	11.00	Cottonseed meal, wheat bran, corn meal, linseed meal, oat mill by-products, corn gluten feed, wheat middlings, molasses, bone meal, salt.
David Whiting & Sons, Wilton, N. H.	F.	21.58	4.31	57.63	6.86	9.62	10.77	

DISTILLERS' DRIED GRAINS								
Continental Distillers' Grains	G.	28.00	7.00	45.00	....	....	15.00	Corn, rye, barley.
Continental Distilling Corp. .	F.	30.16	8.16	54.62	1.56	5.50	.....	
Philadelphia, Pa.								
"Neumond" 24% Distillers'								
Grains	G.	24.00	8.00	60.00	....	....	18.00	Corn, rye, malt.
The Neumond Co.	F.	24.30	6.95	61.06	1.83	5.86	15.13	
St. Louis, Mo.								
"Neumond" 28% Corn Distillers'								
Grain	G.	28.00	8.00	45.00	....	....	15.00	
The Neumond Co.	F.	26.31	6.86	55.18	2.71	8.94	.....	
St. Louis, Mo.								
Corn Distillers' Dried Grains	G.	30.00	6.00	48.00	....	....	14.00	
Hiram Walker & Sons Inc. . . .	F.	32.22	10.43	50.24	1.24	5.87	.....	
Peoria, Ill.								
Corn Distillers' Dried Grains	G.	28.00	8.50	45.00	....	....	13.00	
Wilber Feed Co. Inc.	F.	29.15	10.38	52.04	1.94	6.49	....	
Jamestown, N. Y.								
Distillers' Dried Grains . .	G.	24.00	7.00	40.00	....	....	16.00	Corn, rye, malt.
Wilber Feed Co. Inc.	F.	22.90	6.81	62.17	1.66	6.46	.....	
Jamestown, N. Y.								
FISH MEAL								
Gorton's Codfish Meal	G.	55.00	0.10	.....	....	....	1.00	
Gorton Pew Fisheries Co. Ltd.	F.	60.24	1.47	.....	28.74	7.63	....	
Gloucester, Mass.								
Maine Vitamin D Fish Meal . .	G.	55.00	15.00	.....	....	....	1.00	
Maine Fish Meal Co.	F.	55.04	14.66	.....	17.84	11.13	....	
Portland, Me.								

Brand and Manufacturer	Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
FOX MEAL							
Wayne Fox Food	G. 30.00	4.00	39.00	....	....	4.00	Beef scraps, liver meal, fish meal, wheat germ meal, corn flakes, whole wheat flakes, soybean oil meal, dried skimmed milk, dried buttermilk, dried tomato pulp, oats, barley malt, alfalfa meal, wheat bran, sardine oil, cane molasses, charcoal, steamed bone meal, iron oxide, potassium iodide, calcium carbonate, copper sulphate, manganese sulphate, calcium gluconate, salt.
Allied Mills Inc. Chicago, Ill.	F. 30.04	5.81	47.31	9.24	7.60	3.51	
GLUTEN FEED							
Cream of Corn Gluten Feed	G. 25.00	2.00	58.50	....	....	8.50	
American Maize Products Co. New York, N. Y.	F. 28.89	2.60	54.02	6.06	8.43	....	
Clinton Corn Gluten Feed	G. 25.00	2.00	57.00	....	....	8.50	
Clinton Co. Clinton, Iowa	F. 27.71	3.67	53.20	6.84	8.58	....	
Buffalo Corn Gluten Feed	G. 25.00	2.00	57.00	....	....	8.50	
Corn Products Refining Co. New York, N. Y.	F. 26.09	2.04	56.52	6.84	8.51	....	
Staley's Corn Gluten Feed	G. 25.00	1.00	53.00	....	....	8.00	
A. E. Staley Mfg. Co. Decatur, Ill.	F. 28.81	2.53	51.68	8.87	8.11	....	
Union Corn Gluten Feed	G. 25.00	1.00	50.00	....	....	8.00	
Union Starch & Refining Co. Columbus, Ind.	F. 27.10	1.58	54.45	6.53	10.34	....	
GLUTEN MEAL							
Douglas Corn Gluten Meal	G. 43.00	1.00	42.00	....	....	4.00	
Penick & Ford Cedar Rapids, Iowa	F. 44.98	2.28	43.10	2.48	7.16	....	

HOG FEED								
Wayne Pork Maker	G.	14.00	3.50	57.00	....	....	7.00	Digester tankage, oats, corn meal, wheat standard middlings, alfalfa meal, cane molasses, limestone, steamed bone meal, iron oxide, potassium iodide, copper sulphate, salt.
Allied Mills Chicago, Ill.	F.	14.63	4.84	62.47	7.31	10.75	4.88	
Kasco Pig-Hog Feed	G.	17.00	4.50	60.00	....	....	7.50	Wheat red dog flour, barley, corn meal, linseed meal, soybean meal, wheat middlings, mill run screenings, corn germ meal, fish meal, digester tankage, salt, calcite, iron oxide, alfalfa meal.
Kasco Mills Waverly, N. Y.	F.	18.74	5.25	59.39	6.58	10.04	6.96	
HOMINY FEED								
Homco Hominy Feed	G.	10.00	6.00	61.00	....	....	6.00	
Decatur Milling Co. Decatur, Ill.	F.	10.02	7.03	69.96	2.46	10.53	....	
O-Corn-O Hominy Feed	G.	10.00	6.50	65.00	....	....	5.00	
Kellogg Co. of Canada London, Ont.	F.	9.75	6.89	72.89	1.81	8.66	....	
Choice Steam Cooked Hominy Feed	G.	10.00	5.00	60.00	....	....	5.00	
Miner-Hillard Milling Co. Wilkes Barre, Pa.	F.	10.98	6.01	70.44	2.79	9.78	....	
Hominy Feed	G.	10.00	7.00	67.00	....	....	7.00	Hominy feed.
Washburn Crosby Co. Minneapolis, Minn.	F.	10.72	6.78	70.35	2.85	9.30	6.49	
KELP								
Kelco Meal	G.	3.00	0.10	40.00	....	....	10.00	Kelp.
Kelco Co. Chicago, Ill.	F.	5.30	0.47	52.33	31.44	10.46	6.51	
LINSEED MEAL								
K & M Brand 34% Protein Old Process Linseed Meal	G.	34.00	5.00	38.00	....	....	8.00	
Kelloggs & Miller Amsterdam, N. Y.	F.	36.99	5.46	42.02	6.04	9.49	....	

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Pure Old Process 37% Linseed Meal	G.	37.00	4.50	39.00	....	....	9.00	
The Sherwin-Williams Co. Cleveland, Ohio	F.	39.80	5.36	40.36	5.55	8.93	....	
Kelloggs 37% Old Process Linseed Meal	G.	37.00	4.50	41.00	....	....	9.00	
Spencer Kellogg & Sons Buffalo, N. Y.	F.	38.22	4.98	40.40	5.67	10.73	....	
MEAT SCRAPS								
Corenco 45% Meat & Bone Scrap	G.	45.00	6.00	.....	....	....	....	
Consolidated Rendering Co. Boston, Mass.	F.	46.49	8.65	.....	35.35	7.28	....	
Corenco 50% Meat & Bone Scrap	G.	50.00	6.00	.....	....	....	....	
Consolidated Rendering Co. Boston, Mass.	F.	50.13	9.77	.....	30.14	6.80	....	
Morse's 45% Meat Scraps	G.	45.00	8.00	.....	....	....	....	
James F. Morse & Co. Somerville, Mass.	F.	42.18	8.58	.....	38.55	7.02	....	
Register Brand Meat and Bone Scrap	G.	45.00	6.00	.....	....	....	....	
John Reardon & Sons Co. Cambridge, Mass.	F.	45.18	11.90	.....	37.14	4.85	....	
DRIED SKIMMED MILK								
Buell-Boston Dried Skim Milk	G.	31.00	0.20	.....	....	....	....	
C. E. Buell Boston, Mass.	F.	34.19	0.73	52.29	7.90	4.89	....	
Dairylea Dried Skim Milk	G.	33.00	0.50	.....	....	....	....	
Dairymen's League Cooperative Association Utica, N. Y.	F.	34.19	0.78	51.82	8.42	4.79	....	

Skim Milk Powder	G.	32.00	0.25	.....	....	....	....	
New England Dairies Concord, Vermont	F.	36.16	0.61	52.11	8.28	2.84	....	
OAT HULLS								
Go-Fer Brand Reground Oat Hulls	G.	3.50	1.25	72.50	....	....	32.50	Oatmeal mill by-product.
Northern Oats Co. Minneapolis, Minn.	F.	3.89	0.88	83.03	6.64	5.56	33.13	
Vim Oat Mill Feed	G.	5.00	1.50	77.00	....	....	30.00	Oat hulls, oat shorts, oat middlings.
Quaker Oats Co. Chicago, Ill.	F.	5.61	1.56	78.53	6.54	7.76	28.91	
Pulverized Oat Hulls	G.	4.00	1.00	.....	....	....	30.00	Oat middlings, oat hulls.
James Wilson & Sons Fergus, Ont.	F.	4.02	1.36	82.70	5.39	6.53	30.92	
OAT MEAL								
Chief Feeding Oatmeal	G.	14.00	5.30	60.00	....	....	3.75	Oat middlings, oat groats.
Purity Oats Co. Keokuk, Iowa	F.	15.50	5.68	69.38	2.21	7.23	4.50	
North Star Oatmeal	G.	16.00	6.00	68.50	....	....	3.50	Oat groats.
Quaker Oats Co. Chicago, Ill.	F.	16.77	5.82	66.86	2.39	8.16	2.65	
POULTRY FEED								
Empire Egg Mash	G.	16.50	3.50	57.00	....	....	7.00	Dried buttermilk, dried skimmed milk, meat scraps, soybean oil meal, alfalfa meal, wheat bran, wheat standard middlings, corn gluten feed, corn meal, oats, limestone, salt, sardine oil.
Allied Mills Chicago, Ill.	F.	18.39	5.39	60.67	7.33	8.22	6.24	
Empire Growing Mash with Sardine Oil	G.	16.00	3.00	57.00	....	....	7.00	Corn meal, wheat bran, soybean oil meal, oats, meat scraps, wheat standard middlings, alfalfa meal, corn gluten feed, dried skimmed milk, dried buttermilk, salt, limestone, sardine oil.
Allied Mills Chicago, Ill.	F.	19.13	5.45	58.41	7.56	9.45	6.49	
Wayne Breeder Mash	G.	18.00	4.00	52.00	....	....	7.00	Fish meal, meat scraps, dried buttermilk, dried skimmed milk, soybean oil meal, alfalfa meal, wheat bran, corn meal, corn germ oil meal, wheat standard middlings, oats, crab meal, limestone, iron oxide, potassium iodide, salt, sardine oil.
Allied Mills Chicago, Ill.	F.	20.75	5.98	53.30	11.02	8.95	6.28	

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Wayne Egg Mash with Sardine Oil	G.	18.00	3.50	52.00	....	....	7.00	Dried buttermilk, dried skimmed milk, meat scraps, fish meal, wheat standard middlings, wheat bran, corn meal, oat meal, corn gluten feed, alfalfa meal, soybean oil meal, oats, limestone, iron oxide, potassium iodide, salt, sardine oil.
Allied Mills Chicago, Ill.	F.	19.22	5.91	56.80	8.54	9.53	5.88	
Wayne Growing Mash with Sardine Oil	G.	16.00	4.00	56.00	....	....	6.00	Dried buttermilk, dried skimmed milk, meat scraps, fish meal, wheat standard middlings, corn meal, oat meal, alfalfa meal, soybean oil meal, wheat bran, limestone, iron oxide, potassium iodide, salt, sardine oil.
Allied Mills Chicago, Ill.	F.	17.60	5.48	58.28	9.06	9.58	4.49	
Wayne Mash Concentrate with Sardine Oil	G.	32.00	4.00	38.00	....	....	8.00	Dried buttermilk, dried skimmed milk, fish meal, peanut oil meal, meat scraps, soybean oil meal, corn gluten meal, corn gluten feed, alfalfa meal, limestone, iron oxide, potassium iodide, salt, sardine oil.
Allied Mills Chicago, Ill.	F.	36.64	5.15	31.95	19.16	7.10	5.69	
Wayne Poultry Fattener	G.	13.50	3.50	63.00	....	....	8.00	Yellow corn meal, corn germ oil meal, white hominy feed, oats, oat flour, wheat standard middlings, wheat red dog flour, linseed meal, salt.
Allied Mills Chicago, Ill.	F.	13.63	4.95	67.80	3.76	9.86	6.37	
Pennant Brand Chick Starter	G.	17.00	5.00	55.00	....	....	5.00	Wheat bran, yellow corn meal, wheat red dog flout, oat groats, dried skimmed milk, beef scraps, charcoal, bone meal, leaf alfalfa meal, salt, cod liver oil, cod liver meal.
E. W. Bailey & Co. Montpelier, Vt.	F.	18.56	4.83	58.98	6.51	11.12	5.48	
Pennant Brand Laying Mash	G.	20.00	5.00	50.00	....	....	6.00	Cod liver oil, cod liver meal, hominy feed, yellow corn meal, wheat red dog flour, gluten feed, oat groats, wheat bran, wheat standard middlings, beef scraps, dried skimmed milk, alfalfa leaf meal, salt, calcium carbonate.
E. W. Bailey & Co. Montpelier, Vt.	F.	21.93	4.80	53.28	9.97	10.02	5.07	
Barco Special Chick Starter	G.	14.00	4.00	40.00	....	....	4.00	Wheat bran, corn meal, red dog middlings, oat groats, dried skimmed milk, beef scraps, charcoal, bone meal, alfalfa leaf meal, cod liver meal, salt, cod liver oil.
G. N. Bartemus Co. Concord, N. H.	F.	18.12	4.66	58.97	9.29	8.96	5.51	

Barco Special Mash Feed with Cod Liver Oil	G.	20.00	5.00	50.00	....	....	6.00	Hominy, gluten feed, white middlings, oats, wheat bran, beef scraps, dried skimmed milk, alfalfa leaf meal, salt, cod liver oil.
G. N. Bartemus Co. Concord, N. H.	F.	23.12	5.56	52.13	10.03	9.16	6.08	
Concord Mash	G.	20.00	4.00	47.00	....	....	8.00	Wheat bran, corn gluten feed, alfalfa leaf meal, oats, beef scraps, red dog middlings, dried skimmed milk, hominy, salt.
G. N. Bartemus Co. Concord, N. H.	F.	22.33	4.71	54.97	8.96	9.03	6.19	
Beacon Battery Laying Pellets	G.	15.00	4.00	55.00	....	....	7.00	Dried skimmed milk, dried buttermilk, fish meal, meat scraps, alfalfa leaf meal, oats, barley, wheat bran, wheat middlings, mill run screenings, corn meal, charcoal, salt, anti-rachitic oil, calcium phosphate, calcium carbonate.
Beacon Milling Co. Cayuga, N. Y.	F.	17.73	4.95	59.36	7.84	10.12	6.26	
Beacon Breeders' Mash with Buttermilk	G.	20.00	4.00	50.00	....	....	7.00	Dried skimmed milk, dried buttermilk, meat scraps, fish meal, wheat middlings, corn meal, oats, barley, wheat bran, mill run screenings, alfalfa leaf meal, anti-rachitic oil, salt, calcium carbonate, protozyme.
Beacon Milling Co. Cayuga, N. Y.	F.	20.66	5.57	54.15	10.59	9.03	6.74	
Beacon Broiler Feed	G.	17.00	4.00	52.00	....	....	6.00	Dried skimmed milk, meat scraps, fish meal, corn meal, oats, barley, wheat bran, mill run screenings, wheat red dog flour, alfalfa leaf meal, anti-rachitic oil, salt, calcium carbonate, calcium phosphate.
Beacon Milling Co. Cayuga, N. Y.	F.	17.82	4.96	57.64	9.56	10.02	4.75	
Beacon Cayuga Laying Mash with Buttermilk	G.	20.00	4.00	54.00	....	....	7.00	Dried buttermilk, dried skimmed milk, fish meal, meat scraps, corn meal, alfalfa leaf meal, wheat bran, wheat middlings, mill run screenings, soybean oil meal, barley, corn gluten meal, oats, anti-rachitic oil, calcium carbonate, calcium phosphate, salt.
Beacon Milling Co. Cayuga, N. Y.	F.	20.71	5.12	55.97	9.68	8.52	6.49	
Beacon Complete Starting Ration	G.	17.50	4.00	50.00	....	....	6.00	Dried skimmed milk, meat scraps, fish meal, corn meal, oats, barley, wheat bran, mill run screenings, wheat red dog flour, alfalfa leaf meal, anti-rachitic oil, calcium carbonate, calcium phosphate, salt.
Beacon Milling Co. Cayuga, N. Y.	F.	17.90	4.88	59.40	8.26	9.56	5.28	

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Beacon Egg Mash with Buttermilk Beacon Milling Co. Cayuga, N. Y.	G.	22.00	4.50	48.00	....	....	7.00	Dried buttermilk, dried skimmed milk, meat scraps, fish meal, barley, oats, corn meal, alfalfa leaf meal, wheat bran, wheat middlings, mill run screenings, anti-rachitic oil, calcium carbonate, salt, protozyme.
	F.	22.68	5.84	50.90	11.89	8.69	6.53	
Beacon Growing Mash Beacon Milling Co. Cayuga, N. Y.	G.	17.00	4.00	55.00	....	....	7.00	Dried skimmed milk, meat scraps, fish meal, oats, barley, corn meal, wheat red dog flour, alfalfa leaf meal, wheat bran, wheat middlings, mill run screenings, anti-rachitic oil, calcium carbonate, calcium phosphate, salt.
	F.	20.01	4.81	56.73	9.08	9.37	5.70	
Chase Growing Mash David C. Chase Smithtown, N. H.	G.	14.00	4.50	45.00	....	....	10.00	Corn meal, oat meal, wheat bran, wheat middlings, meat scraps, bone meal, charcoal, salt, dried buttermilk.
	F.	17.29	6.08	57.57	9.89	9.17	7.50	
Chase Laying Mash David C. Chase Smithtown, N. H.	G.	18.00	4.50	45.00	....	....	10.00	Corn meal, oat meal, wheat bran, wheat middlings, meat scraps, corn gluten feed, dried skimmed milk, salt, charcoal.
	F.	21.76	5.33	53.35	9.99	9.57	7.12	
Corson's No. 1 Laying Mash Freeman Corson Rochester, N. H.	G.	18.00	5.00	64.00	....	....	7.00	Wheat bran, wheat middlings, corn meal, oat mill feed, barley, fish scraps, alfalfa leaf meal, dried skimmed milk, soybean oil meal, salt, cod liver oil.
	F.	19.62	4.66	54.71	10.43	10.58	6.74	
Coweco Starting Mash E. A. Cowee Co. Fitchburg, Mass.	G.	17.00	4.50	45.00	....	....	6.00	Corn meal, oat meal, wheat bran, wheat middlings, alfalfa leaf meal, fish meal, soybean meal, dried skimmed milk, meat scraps, bone meal, calcium carbonate, cod liver oil, salt.
	F.	17.00	4.50	57.50	10.22	10.78	7.02	
Coweco Sunrise Laying Mash E. A. Cowee Co. Fitchburg, Mass.	G.	16.00	3.50	50.00	....	....	8.00	Wheat bran, wheat middlings, corn meal, hominy, oats, gluten feed, soybean meal, meat scraps, alfalfa meal, bone meal, dried skimmed milk, cod liver oil, calcium carbonate, barley, salt.
	F.	20.26	4.44	50.88	15.08	9.34	6.03	

Delaware All Mash Chick Starter	G.	17.00	5.00	60.00	....	....	6.00	Cod liver oil, dried skimmed milk, meat scraps, fish meal, oat meal, alfalfa leaf meal, corn meal, wheat bran, wheat middlings, wheat red dog flour, bone meal, phosphatic calcium carbonate, charcoal, salt.
Delaware Mills Deposit, N. Y.	F.	16.55	5.40	59.45	6.98	11.62	5.86	
Delaware Breeder Mash	G.	20.00	4.00	50.00	....	....	7.50	Cod liver oil, dried skimmed milk, alfalfa leaf meal, meat scraps, fish meal, soybean oil meal, corn meal, wheat bran, wheat middlings, wheat red dog flour, oat meal, barley, phosphatic calcium carbonate, salt.
Delaware Mills Deposit, N. Y.	F.	20.14	5.14	54.23	9.74	10.75	6.32	
Delaware Growing Mash	G.	17.00	5.00	55.00	....	....	6.00	Cod liver oil, dried skimmed milk, alfalfa leaf meal, meat scraps, fish meal, bone meal, linseed meal, corn gluten feed, corn meal, wheat bran, wheat middlings, wheat flour middlings, oat meal, phosphatic calcium carbonate, salt.
Delaware Mills Deposit, N. Y.	F.	19.82	6.48	54.07	11.04	8.59	6.00	
Delaware Laying Mash	G.	20.00	5.00	50.00	....	....	7.00	Cod liver oil, dried skimmed milk, meat scraps, bone meal, fish meal, soybean oil meal, corn gluten feed, corn meal, wheat bran, wheat middlings, wheat red dog flour, oat meal, barley, alfalfa leaf meal, phosphatic calcium carbonate, salt.
Delaware Mills Deposit, N. Y.	F.	20.75	6.39	53.16	9.67	10.03	6.33	
Delaware Poultry Fattener	G.	12.00	4.50	55.00	....	....	6.00	Dried skimmed milk, corn meal, hominy feed, oat meal, wheat flour, wheat middlings, linseed meal, phosphatic calcium carbonate, salt, cod liver oil.
Delaware Mills Deposit, N. Y.	F.	15.28	5.98	61.71	7.34	9.69	5.19	
Delco Laying Mash with Dried Skim Milk	G.	16.00	4.00	50.00	....	....	9.00	Dried skimmed milk, meat scraps, bone meal, corn gluten meal, corn gluten feed, wheat bran, wheat middlings, corn meal or hominy feed, oats, alfalfa meal, calcium phosphate, salt.
Delaware Mills Deposit, N. Y.	F.	17.21	5.71	59.69	8.41	8.98	8.51	
All Purpose Complete Ration, Starter-Grower-Layer	G.	15.00	4.50	56.00	....	....	6.00	Yellow corn meal, wheat flour middlings, wheat bran, alfalfa leaf meal, dried buttermilk, meat scraps, fish meal, soybean oil meal, steamed bone meal, calcium carbonate, salt, cod liver oil, potassium iodide.
Dietrich & Gambrill Frederick, Md.	F.	16.51	5.06	59.56	7.36	11.51	3.66	

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Frederick Laying Mash	G.	18.00	4.00	53.00	....	....	8.00	Wheat bran, wheat middlings, corn feed meal, oats, gluten meal, meat scraps, fish meal, alfalfa meal, soybean oil meal, barley, dried buttermilk, bone meal, calcium carbonate, salt, cod liver oil.
Dietrich & Gambrill Frederick, Md.	F.	19.65	4.72	58.15	7.54	9.94	5.84	
Gambrill's Growing Mash	G.	18.00	4.00	53.00	....	....	7.00	Wheat bran, wheat middlings, corn feed meal, peanut meal, malt flour, oat meal, gluten meal, meat scraps, fish meal, dried buttermilk, cod liver oil, alfalfa leaf meal, bone meal, calcium carbonate, salt.
Dietrich & Gambrill Frederick, Md.	F.	19.79	5.28	56.52	7.98	10.43	4.99	
Eastern States Combination Mash Open Formula	G.	15.00	4.00	57.00	....	....	6.50	Yellow corn meal, wheat bran, mill run screenings, wheat flour middlings, oats, dried skimmed milk, alfalfa leaf meal, meat scraps, fish meal, oyster shell meal, sardine oil, dicalcium phosphate, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F.	15.89	5.54	62.77	7.45	8.35	5.39	
Eastern States Developer Open Formula	G.	18.50	4.00	53.00	....	....	6.50	Yellow corn meal, wheat bran, mill run wheat screenings, wheat flour middlings, barley, oats, dried skimmed milk, soybean oil meal, alfalfa leaf meal, meat scraps, fish meal, dicalcium phosphate, oyster shell meal, sardine oil, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F.	19.52	5.39	58.07	8.18	8.84	6.00	
Eastern States Fattener Mash Open Formula	G.	14.50	4.00	63.00	....	....	5.00	Yellow corn meal, corn oil meal, oat groats, dried skimmed milk, wheat standard middlings, wheat red dog flour, oats, soybean oil meal, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F.	15.50	4.82	67.77	3.01	8.90	4.69	
Eastern States Flushing Mash	G.	18.50	2.50	56.00	....	....	4.00	Dried skimmed milk, yellow corn meal, wheat bran, oat groats, oyster shell meal, salt, dicalcium phosphate, sardine oil.
Eastern States Farmers' Exchange Springfield, Mass.	F.	20.22	3.80	61.54	6.64	7.80	2.79	
Eastern States Producer 20 Open Formula	G.	20.00	4.00	49.00	....	....	6.00	Yellow corn meal, wheat bran, mill run screenings, meat scraps, oats, alfalfa leaf meal, dried skimmed milk, fish meal, soybean oil meal, oyster shell meal, sardine oil, dicalcium phosphate, salt, wheat flour middlings.
Eastern States Farmers' Exchange Springfield, Mass.	F.	21.80	6.85	52.12	11.36	7.87	5.50	

Eastern States Producer Mash Open Formula	G.	17.00	4.00	53.00	....	....	6.50	Yellow corn meal, wheat bran, mill run screenings, wheat flour middlings, oats, meat scraps, fish meal, alfalfa leaf meal, dried skimmed milk, oyster shell meal, sardine oil, dicalcium phosphate, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F.	18.21	6.59	56.71	9.47	9.02	5.62	
Eastern States Starting and Broiler Ration Open Formula	G.	18.50	4.00	53.00	....	....	5.00	Yellow corn meal, wheat bran, mill run screenings, wheat flour middlings, oat groats, dried skimmed milk, alfalfa leaf meal, meat scraps, fish meal, oyster shell meal, salt, sardine oil, dicalcium phosphate.
Eastern States Farmers' Exchange Springfield, Mass.	F.	19.74	5.58	57.36	8.23	9.09	4.52	
Eastern States Turkey-Fat Open Formula	G.	16.00	3.50	56.00	....	....	5.50	Yellow corn meal, wheat bran, mill run screenings, wheat flour middlings, oat groats, dried skimmed milk, oats, meat scraps, alfalfa leaf meal, soybean oil meal, corn gluten meal, oyster shell meal, di-calcium phosphate, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F.	17.64	4.62	60.02	8.16	9.56	4.87	
Elmore Chixsaver	G.	16.50	4.00	55.00	....	....	8.00	Dried skimmed milk, wheat flour middlings, wheat bran, corn meal, alfalfa leaf meal, oat flour, meat and bone meal, fish meal, cod liver oil, salt, oyster shell flour.
Elmore Milling Co. Oneonta, N. Y.	F.	18.08	4.92	57.09	8.06	11.85	5.63	
Elmore Complete Laying Ration	G.	16.00	4.00	60.00	....	....	6.00	Meat and bone meal, fish meal, oat groats, corn meal, alfalfa leaf meal, wheat bran, wheat middlings, dried skimmed milk, cod liver oil, calcium carbonate, salt.
Elmore Milling Co. Oneonta, N. Y.	F.	16.64	4.74	57.17	8.88	12.57	6.41	
Elmore Egg Mash	G.	20.00	4.00	55.00	....	....	8.00	Dried skimmed milk, meat meal, second clear wheat flour, oats, wheat middlings, corn meal, wheat bran, alfalfa leaf meal, fish meal, bone meal, cod liver oil, oyster shell flour, salt.
Elmore Milling Co. Oneonta, N. Y.	F.	20.62	4.55	53.48	9.48	11.87	5.32	
Eshelman Pennsy Laying Mash	G.	18.00	5.00	50.00	....	....	8.00	Corn meal, wheat middlings, meat scraps, wheat bran, oats, alfalfa meal, soybean oil meal, cane molasses, fish meal, corn gluten feed, linseed meal, calcium carbonate, salt.
John W. Eshelman & Sons Lancaster, Pa.	F.	20.84	6.80	53.72	9.58	9.06	7.11	

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Eshelman Red Rose All Mash Starter John W. Eshelman & Sons Lancaster, Pa.	G.	16.00	4.00	55.00	....	....	6.50	Corn meal, wheat bran, wheat middlings, oat meal, meat scraps, fish meal, soybean oil meal, alfalfa leaf meal, dried buttermilk, linseed meal, calcium carbonate, bone meal, salt, cod liver oil.
	F.	18.30	4.91	59.03	9.68	8.08	4.10	
Eshelman Red Rose Growing Mash John W. Eshelman & Sons Lancaster, Pa.	G.	16.00	4.00	55.00	....	....	7.00	Wheat middlings, corn meal, wheat bran, meat scraps, oats, corn gluten feed, oat meal, hominy feed, linseed meal, fish meal, dried buttermilk, alfalfa meal, calcium carbonate, salt, cod liver oil.
	F.	18.78	5.70	59.31	7.04	9.17	6.23	
Eshelman Red Rose Laying Mash John W. Eshelman & Sons Lancaster, Pa.	G.	20.00	5.00	50.00	....	....	7.00	Wheat middlings, corn meal, meat scraps, wheat bran, corn gluten feed, oats, linseed meal, fish meal, hominy feed, alfalfa meal, dried buttermilk, calcium carbonate, salt, cod liver oil.
	F.	21.36	5.94	55.36	8.69	8.65	5.44	
C Laying Mash Farm Service Stores Fitchburg, Mass.	G.	15.00	4.00	55.00	....	....	8.50	Corn meal, wheat bran, wheat middlings, oats, meat scraps, bone meal, alfalfa meal, salt.
	F.	18.04	5.05	59.00	8.37	9.54	5.30	
North Star Laying Mash Farm Service Stores Fitchburg, Mass.	G.	20.00	5.00	45.00	....	....	6.50	Corn meal, oats, alfalfa meal, wheat middlings, wheat bran, gluten feed, soybean meal, beef scraps, fish meal, dried milk, calcium carbonate, salt, cod liver oil.
	F.	22.29	6.12	48.94	13.55	9.10	5.91	
Henfield Egg Mash First National Stores Somerville, Mass.	G.	20.00	4.50	50.00	....	....	7.00	Cod liver oil, meat scraps, fish meal, dried buttermilk, alfalfa meal, oats, hominy, corn meal, wheat middlings, wheat bran, wheat flour middlings, corn gluten feed, linseed meal, steamed bone meal, calcium carbonate, salt.
	F.	20.66	5.21	54.74	8.40	10.99	6.48	
Grandin's Combined Chick and Broiler Ration D. H. Grandin Milling Co. Jamestown, N. Y.	G.	15.00	4.00	50.00	....	....	6.00	Cod liver oil, dried buttermilk, meat and bone scrap, fish meal, soybean oil meal, alfalfa leaf meal, oats, wheat bran, wheat middlings, barley, hominy feed, yellow corn meal, calcium carbonate, salt.
	F.	16.99	4.81	59.90	8.52	9.78	5.93	

Grandin's Complete Laying Ration D. H. Grandin Milling Co. Jamestown, N. Y.	G. F.	15.00 17.64	4.00 4.66	50.00 60.10	.... 7.46	.... 10.14	7.00 4.93	Dried buttermilk, cod liver oil, meat and bone scrap, fish meal, corn gluten meal, alfalfa meal, yellow corn meal, hominy feed, wheat, barley, oats, wheat bran, wheat middlings, mill run screenings, calcium carbonate, salt.
Grandin's Growing Mash D. H. Grandin Milling Co. Jamestown, N. Y.	G. F.	15.00 16.94	4.00 5.77	50.00 56.48	.... 12.12	.... 8.69	8.00 6.27	Meat and bone scrap, dried buttermilk, corn gluten feed, wheat bran, wheat middlings, mill run screenings, corn meal, corn feed meal, hominy feed, oats, alfalfa meal, bone meal, calcium carbonate, salt, cod liver oil.
Grandin's Laying Mash D. H. Grandin Milling Co. Jamestown, N. Y.	G. F.	20.00 21.62	4.00 5.30	50.00 51.69	.... 12.26	.... 9.13	8.00 6.19	Fish meal, meat and bone scrap, corn gluten feed, corn gluten meal, wheat bran, wheat middlings, mill run screenings, corn meal, corn feed meal, hominy feed, oats, dried buttermilk, alfalfa meal, calcium carbonate, salt, cod liver oil.
Grandin's Start-To-Finish Mash D. H. Grandin Milling Co. Jamestown, N. Y.	G. F.	16.00 17.77	4.00 4.71	50.00 58.03	.... 9.00	.... 10.49	7.00 6.39	Cod liver oil, dried buttermilk, meat and bone scrap, fish meal, soybean oil meal, corn gluten feed, alfalfa leaf meal, yellow corn meal, hominy feed, oats, barley, wheat bran, wheat middlings, mill run screenings, calcium carbonate, salt.
Daily Egg Mash Feed Great Atlantic & Pacific Tea Co. New York, N. Y.	G. F.	20.00 21.93	4.50 4.88	56.00 53.27	.... 10.28	.... 9.64	7.00 5.34	Oats, barley, soybean oil meal, linseed meal, corn gluten meal, wheat standard middlings, wheat bran, alfalfa meal, corn feed meal, dried buttermilk, dried skimmed milk, meat and bone scrap, fish meal, flour middlings, cod liver oil, cod liver meal, calcium carbonate, steamed bone meal, salt.
Daily Growth Chick Starter Great Atlantic & Pacific Tea Co. New York, N. Y.	G. F.	16.00 17.90	4.00 4.72	58.00 61.22	.... 7.13	.... 9.03	5.00 4.77	Dried buttermilk, dried skimmed milk, meat and bone scrap, wheat flour, wheat standard middlings, corn, corn feed meal, oats, oat groats, linseed meal, alfalfa meal, cod liver oil, calcium carbonate, salt, steamed bone meal.
16% Growing Mash Great Eastern Feed Mills Lowell, Mass.	G. F.	16.00 17.51	4.00 4.60	60.00 57.19	.... 11.41	.... 9.29	8.00 4.72	Corn feed meal, wheat bran, wheat standard middlings, oats, crab meal, wheat flour middlings, fish meal, alfalfa leaf meal, dried skimmed milk, salt cod liver oil, molasses, meat and bone scrap.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Broiler Ration	G.	18.00	4.00	60.00	....	....	6.00	Yellow corn meal, oats, wheat, wheat bran, dried skimmed milk, flour middlings, alfalfa leaf meal, fish meal, crab meal, meat and bone scrap, calcium phosphate, calcium carbonate, salt, cod liver oil.
Great Eastern Feed Mills . . Lowell, Mass.	F.	19.26	4.32	58.33	8.46	9.63	4.82	
Phoenix 20% Laying Mash . .	G.	20.00	4.00	51.00	....	....	7.00	Yellow corn meal, wheat bran, oats, wheat, fish meal, crab meal, meat and bone scrap, alfalfa leaf meal. soybean oil meal, wheat flour middlings, dried skimmed milk, calcium carbonate, calcium phosphate, cod liver oil, salt.
Great Eastern Feed Mills . . Lowell, Mass.	F.	20.05	4.49	55.16	11.47	8.83	6.39	
Granite State Breeder Mash .	G.	20.00	4.00	50.00	....	.....	6.00	Corn meal, wheat middlings, wheat bran, barley, meat scraps, fish meal, kelp, alfalfa leaf meal, oats, dried skimmed milk, calcium carbonate, cod liver oil.
E. C. & W. L. Hopkins . . . Greenfield, N. H.	F.	20.44	4.55	51.72	12.38	10.91	5.72	
Granite State Chick Starter	G.	16.00	4.00	50.00	....	....	6.00	Yellow corn meal, wheat bran, wheat middlings, wheat red dog flour, oat meal, dried skimmed milk, meat scraps, alfalfa leaf meal, kelp, fish meal, charcoal, calcium carbonate, cod liver oil.
E. C. & W. L. Hopkins . . . Greenfield, N. H.	F.	19.39	4.36	55.80	9.07	11.38	6.91	
Granite State Egg Mash . . .	G.	19.00	4.00	50.00	....	....	5.50	Dried skimmed milk, oats, corn, wheat middlings, wheat bran, barley, meat scraps, alfalfa leaf meal, kelp, fish meal, calcium carbonate, salt.
E. C. & W. L. Hopkins . . . Greenfield, N. H.	F.	20.14	4.44	51.73	12.57	11.12	5.69	
New Hampshire Laying Mash .	G.	17.00	4.00	55.00	....	....	5.00	Yellow corn meal, wheat bran, wheat flour middlings, oats, meat scraps, dried skimmed milk, fish meal, alfalfa leaf meal, calcium carbonate, salt, cod liver oil.
E. C. & W. L. Hopkins . . . Greenfield, N. H.	F.	17.34	4.42	56.96	11.13	10.15	6.32	
P and Q Complete Starting and Growing Ration	G.	16.00	4.00	50.00	....	....	7.00	Wheat bran, wheat middlings, corn meal, oats, wheat red dog flour, soybean oil meal, beef scraps, alfalfa meal, fish meal, dried skimmed milk, barley, calcium carbonate, salt, cod liver oil.
E. C. & W. L. Hopkins . . . Greenfield, N. H.	F.	18.69	4.26	55.17	11.26	10.62	6.70	
P and Q Laying Mash	G.	17.00	3.50	52.00	....	....	8.00	Wheat bran, wheat middlings, corn meal, oats, barley, gluten feed, dried skimmed milk, soybean oil meal, beef scraps, alfalfa meal, calcium carbonate, salt, cod liver oil.
E. C. & W. L. Hopkins . . . Greenfield, N. H.	F.	17.21	4.45	59.45	9.92	8.97	8.45	

Independent Chick Starter . .	G.	18.50	4.00	53.00	....	....	5.00	Corn meal, wheat bran, mill run screenings, wheat flour middlings, feeding oat meal, dried skimmed milk, alfalfa leaf meal, meat scraps, fish meal, oyster shell meal, salt, cod liver oil, dicalcium phosphate.
Independent Grain Dealers' Association . . . . . Manchester, N. H.	F.	17.73	4.85	58.05	7.64	11.73	4.57	
Independent 20% Egg Mash Open Formula	G.	20.00	4.00	49.00	....	....	6.00	Yellow corn meal, wheat bran, mill run wheat screenings, wheat flour middlings, meat scraps, oats, alfalfa leaf meal, fish meal, soybean oil meal, dried skimmed milk, oyster shell meal, cod liver oil, dicalcium phosphate, salt.
Independent Grain Dealers' Association . . . . . Manchester, N. H.	F.	19.70	4.96	52.66	11.89	10.79	4.98	
Johnson's Mash Feed	G.	18.00	4.00	50.00	....	....	7.00	Corn meal, oats, wheat middlings, wheat bran, meat scraps, gluten feed, alfalfa meal, charcoal, soybean meal, dried skimmed milk, calcite flour, bone meal, cod liver oil, salt.
Ralph P. Johnson . . . . . Potter Place, N. H.	F.	18.12	4.37	56.39	10.72	10.40	6.05	
Apex Complete Grower	G.	14.00	4.00	55.00	....	....	8.50	Wheat bran, wheat middlings, mill run screenings, corn meal, linseed meal, oats, meat scraps, bone meal, fish meal, soybean meal, dried skimmed milk, salt, calcite, cod liver oil, alfalfa meal, milk sugar feed.
Kasco Mills . . . . . Waverly, N. Y.	F.	15.89	4.63	63.22	6.63	9.63	4.81	
Apex Laying Mash	G.	20.00	4.00	50.00	....	....	8.50	Wheat bran, wheat middlings, mill run screenings, corn meal, linseed meal, oats, meat scraps, bone meal, dried skimmed milk, milk sugar feed, salt, calcite, cod liver oil, alfalfa meal, fish meal, soybean oil meal.
Kasco Mills . . . . . Waverly, N. Y.	F.	21.45	5.48	53.17	9.63	10.27	5.97	
Apex Starter	G.	15.00	4.00	55.00	....	....	6.00	Oat meal, wheat middlings, wheat bran, corn meal, meat scraps, bone meal, fish meal, linseed meal, soybean oil meal, dried skimmed milk, milk sugar feed, alfalfa leaf meal, salt, calcite, cod liver oil.
Kasco Mills . . . . . Waverly, N. Y.	F.	17.60	4.96	58.39	7.42	11.63	5.02	
Kasco All Mash Chick Food . .	G.	17.00	4.00	55.00	....	....	5.50	Wheat red dog flour, oat meal, wheat middlings, wheat bran, corn meal, meat scraps, fish meal, bone meal, linseed meal, dried skimmed milk, milk sugar feed, salt, cod liver oil, calcite, alfalfa leaf meal.
Kasco Mills . . . . . Waverly, N. Y.	F.	18.74	4.74	57.23	8.00	11.29	4.59	
Kasco All Mash Growing Food .	G.	14.00	4.00	55.00	....	....	5.50	Wheat red dog flour, oat meal, wheat middlings, wheat bran, mill run screenings, corn meal, meat scraps, fish meal, bone meal, linseed meal, dried skimmed milk, milk sugar feed, salt, calcite, cod liver oil, alfalfa leaf meal, oats.
Kasco Mills . . . . . Waverly, N. Y.	F.	14.93	4.92	63.58	6.73	9.84	4.27	

Brand and Manufacturer	Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Kasco All Mash Laying Food	G. 15.00	4.00	55.00	....	....	6.00	Wheat bran, wheat middlings, mill run screenings, corn meal, linseed meal, soybean meal, oat meal, barley, wheat red dog flour, meat scraps, bone meal, fish meal, dried skimmed milk, milk sugar feed, salt, calcite, cod liver oil, alfalfa meal, oats.
Kasco Mills, Waverly, N. Y.	F. 16.37	5.07	60.70	7.10	10.76	5.64	
Kasco Laying Mash	G. 20.00	4.00	50.00	....	....	6.50	Wheat bran, wheat middlings, mill run screenings, corn meal, linseed meal, soybean meal, oat meal, wheat red dog flour, oats, meat scraps, bone meal, fish meal, dried skimmed milk, milk sugar feed, salt, calcite, cod liver oil, alfalfa meal.
Kasco Mills, Waverly, N. Y.	F. 20.71	4.81	53.72	10.97	9.79	5.88	
Larro Chick Builder	G. 19.00	4.00	53.00	....	....	7.00	Wheat bran, yellow corn meal, wheat standard middlings, barley, meat and bone scrap, soybean oil meal, fish meal, alfalfa meal, dried skimmed milk, dried buttermilk, oats, cod liver oil, limestone, salt.
Larrowe Milling Co., Detroit, Mich.	F. 20.79	5.25	54.67	9.75	9.54	6.96	
Larro Chick Starter	G. 16.50	4.50	55.50	....	....	5.50	Yellow corn meal, oat groats, wheat standard middlings, wheat bran, meat and bone scrap, dried buttermilk, dried skimmed milk, alfalfa meal, limestone, salt, cod liver oil.
Larrowe Milling Co., Detroit, Mich.	F. 18.13	5.57	57.79	8.95	9.56	5.42	
Larro Egg Mash	G. 19.00	4.00	52.50	....	....	7.50	Wheat bran, wheat standard middlings, yellow corn meal, meat and bone scrap, barley, soybean oil meal, oats, alfalfa meal, dried skimmed milk, dried buttermilk, limestone, salt, cod liver oil.
Larrowe Milling Co., Detroit, Mich.	F. 20.79	5.05	55.27	9.68	9.21	7.28	
B-B Daisy Egg Mash	G. 20.00	3.50	55.00	....	....	9.00	Cod liver oil, dried buttermilk, alfalfa meal, wheat bran, wheat middlings, mill run screenings, soybean oil meal, corn gluten meal, corn meal, barley, oats, meat meal, fish meal, steamed bone meal, calcium carbonate, salt.
Maritime Milling Co., Buffalo, N. Y.	F. 20.92	4.46	54.92	9.12	10.58	7.06	
Bull Brand Breeders' Laying Mash	G. 20.00	4.50	50.00	....	....	7.00	Cod liver oil, milk sugar feed, dried buttermilk, alfalfa meal, wheat bran, wheat middlings, mill run screenings, soybean oil meal, corn meal, barley, oat meal, meat meal, fish meal, steamed bone meal, calcium carbonate, salt.
Maritime Milling Co., Buffalo, N. Y.	F. 21.80	4.66	54.01	8.91	10.62	5.55	

Bull Brand Laying Mash . . .	G.	20.00	4.50	50.00	....	....	7.00	Cod liver oil, milk sugar feed, dried buttermilk, alfalfa meal, wheat bran, wheat middlings, mill run screenings, soybean oil meal, corn gluten feed, corn meal, oats, barley, oat meal, meat meal, fish meal, steamed bone meal, calcium carbonate, salt, potassium iodide.
Maritime Milling Co.	F.	21.41	4.72	54.98	9.03	9.86	7.14	
Buffalo, N. Y.								
Dollar Maker Egg Mash . . .	G.	17.00	3.50	50.00	....	....	9.00	Cod liver oil, dried buttermilk, alfalfa meal, wheat bran, wheat middlings, mill run screenings, soybean oil meal, corn gluten feed, wheat, corn meal, barley, oats, meat meal, fish meal, bone meal, calcium carbonate, salt.
Maritime Milling Co.	F.	19.39	4.83	57.17	8.87	9.74	7.73	
Buffalo, N. Y.								
Merrimack All Mash	G.	15.00	4.00	60.00	....	....	6.00	Corn meal, soybean meal, oat groats, wheat bran, cracked wheat, alfalfa meal, meat scraps, fish meal, dried skimmed milk, cod liver meal, bone meal, calcite flour, cod liver oil.
Merrimack Farmers' Exchange	F.	15.37	4.80	61.82	7.01	11.00	4.19	
Concord, N. H.								
Merrimack Baby Chick Starter	G.	16.00	4.00	50.00	....	....	4.00	Soybean oil meal, corn meal, wheat middlings, wheat bran, alfalfa leaf meal, meat scraps, fish meal, oat groats, dried skimmed milk, bone meal, salt, calcium carbonate, cod liver meal.
Merrimack Farmers' Exchange	F.	17.47	4.52	59.43	7.06	11.52	3.09	
Concord, N. H.								
Merrimack Growing Mash . . .	G.	17.00	4.25	50.00	....	....	5.00	Soybean oil meal, corn meal, wheat bran, wheat middlings, oat groats, alfalfa leaf meal, fish meal, dried skimmed milk, meat scraps, bone meal, calcium carbonate, salt.
Merrimack Farmers' Exchange	F.	18.30	5.24	57.13	7.85	11.48	4.59	
Concord, N. H.								
Merrimack Laying Mash . . .	G.	18.00	4.25	50.00	....	....	5.00	Soybean oil meal, corn meal, wheat bran, wheat middlings, oat groats, alfalfa leaf meal, fish meal, dried skimmed milk, meat scraps, bone meal, calcium carbonate, salt.
Merrimack Farmers' Exchange	F.	18.47	5.67	56.25	9.97	9.64	5.20	
Concord, N. H.								
Merrimack Special Mash . . .	G.	18.00	5.00	50.00	....	....	8.00	Soybean oil meal, wheat middlings, corn meal, alfalfa leaf meal, wheat bran, oats, meat scraps, fish meal, calcium carbonate.
Merrimack Farmers' Exchange	F.	19.57	6.18	55.59	9.67	8.99	5.64	
Concord, N. H.								
Merrimack Super Mash	G.	18.00	5.00	50.00	....	....	5.00	Soybean oil meal, corn meal, oat groats, wheat middlings, wheat bran, alfalfa leaf meal, meat scraps, fish meal, dried skimmed milk, bone meal, salt, calcium carbonate.
Merrimack Farmers' Exchange	F.	18.78	5.66	55.74	9.91	9.91	4.44	
Concord, N. H.								

Brand and Manufacturer	Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Bidwell Dry Mash with Cod Liver Oil	G. 18.00	3.00	50.00	....	....	8.50	Dried buttermilk, cod liver oil, alfalfa meal, corn meal, wheat bran, wheat middlings, fish meal, meat and bone scrap, linseed meal, gluten meal, soybean oil meal, calcium carbonate, salt.
Park & Pollard Co. . . . . Boston, Mass.	F. 18.48	3.90	58.41	9.23	9.98	6.74	
Lay or Bust Dry Mash	G. 18.00	3.00	50.00	....	....	7.00	Dried buttermilk, cod liver oil, alfalfa leaf meal, corn gluten meal, fish meal, meat, bone, linseed meal, soybean meal, wheat bran, wheat middlings, calcium carbonate, salt, corn, wheat, oats, barley, kaffir corn, buckwheat.
Park & Pollard Co. . . . . Boston, Mass.	F. 19.61	4.92	55.24	10.16	10.07	5.85	
Manamar Complete Life Cycle Mash	G. 16.00	3.50	55.00	....	....	6.00	Kelp, fish meal, sea shells, meat scrap, wheat middlings, alfalfa leaf meal, yellow corn, oats, cod liver oil, wheat bran.
Park & Pollard Co. . . . . Boston, Mass.	F. 17.25	4.67	56.76	11.00	10.32	5.66	
Manamar Lay or Bust Mash . .	G. 18.00	3.50	55.00	....	....	6.00	Kelp, fish meal, sea shells, dried buttermilk, meat scraps, alfalfa leaf meal, wheat bran, wheat middlings, yellow corn, oats, cod liver oil.
Park & Pollard Co. . . . . Boston, Mass.	F. 19.30	4.97	53.87	12.20	9.66	6.34	
Quaker Ful-O-Pep Broiler Mash	G. 19.00	5.00	54.00	....	....	7.00	Oat meal, yellow hominy feed, wheat bran, wheat middlings, fish meal, cod liver meal, meat scraps, sardine oil, dried skimmed milk, dried buttermilk, molasses, alfalfa meal, salt.
Quaker Oats Co. . . . . Chicago, Ill.	F. 19.48	6.77	58.57	6.83	8.35	5.52	
Quaker Ful-O-Pep Chick Starter	G. 17.00	5.00	57.00	....	....	7.00	Oat meal, yellow hominy feed, wheat bran, wheat middlings, fish meal, cod liver meal, meat scraps, sardine oil, dried skimmed milk, dried buttermilk, molasses, alfalfa meal, salt.
Quaker Oats Co. . . . . Chicago, Ill.	F. 18.34	6.55	60.27	5.85	8.99	6.36	
Quaker Ful-O-Pep Egg Mash . .	G. 20.00	4.50	53.00	....	....	8.00	Oat meal, hominy feed, wheat bran, wheat middlings, barley meal, fish meal, cod liver meal, meat scraps, sardine oil, dried skimmed milk, dried buttermilk, molasses, alfalfa meal, salt.
Quaker Oats Co. . . . . Chicago, Ill.	F. 19.83	6.27	57.34	8.11	8.45	6.08	

Protena Laying Mash	G.	18.00	3.50	52.50	....	....	8.50	Meat scraps, soybean oil meal, linseed meal, corn meal, dried buttermilk, cod liver oil, sardine oil, alfalfa meal, wheat middlings, wheat bran, calcium carbonate, salt.
Ralston Purina Co.	F.	19.57	5.10	55.16	10.47	9.70	7.48	
St. Louis, Mo.								
Purina Broiler Chow	G.	18.00	4.00	53.00	....	....	7.00	Carotene, dried buttermilk, cod liver oil, sardine oil, meat scraps, fish meal, soybean oil meal, alfalfa leaf meal, corn meal, oats, wheat middlings, wheat bran, alfalfa meal, calcium carbonate, iodized salt.
Ralston Purina Co.	F.	20.70	5.67	56.78	6.87	9.98	5.69	
St. Louis, Mo.								
Purina Chick Growena	G.	15.00	3.50	57.00	....	....	7.00	Carotene, dried buttermilk, cod liver oil, sardine oil, meat scraps, fish meal, soybean oil meal, wheat germ, alfalfa meal, corn meal, beet pulp, grey wheat middlings, wheat bran, calcium carbonate, iodized salt.
Ralston Purina Co.	F.	17.25	4.98	63.59	5.75	8.43	5.85	
St. Louis, Mo.								
Purina Egg Chowder	G.	19.00	3.50	52.00	....	....	8.00	Carotene, dried buttermilk, cod liver oil, sardine oil, meat scraps, soybean oil meal, linseed meal, alfalfa meal, corn germ meal, grey wheat middlings, wheat bran, corn meal, iodized salt, calcium carbonate.
Ralston Purina Co.	F.	20.49	5.80	53.88	10.72	9.11	6.66	
St. Louis, Mo.								
Purina Lay Chow	G.	19.00	3.50	52.00	....	....	8.00	Carotene, dried buttermilk, cod liver oil, sardine oil, meat scraps, soybean oil meal, linseed meal, alfalfa meal, corn germ meal, wheat middlings, wheat bran, corn meal, molasses, iodized salt, calcium carbonate.
Ralston Purina Co.	F.	20.09	6.22	53.55	10.76	9.38	6.33	
St. Louis, Mo.								
Purina Layena Complete Ration	G.	15.50	3.50	55.00	....	....	8.00	Carotene, dried buttermilk, cod liver oil, sardine oil, meat scraps, soybean oil meal, alfalfa meal, wheat middlings, wheat bran, beet pulp, corn meal, iodized salt, calcium carbonate.
Ralston Purina Co.	F.	16.99	5.23	58.01	9.78	9.99	5.19	
St. Louis, Mo.								
Wirthmore 14 Fitting Ration .	G.	14.00	4.00	65.00	....	....	7.00	Cod liver oil, linseed meal, crimped oats, barley, yellow corn meal, hominy feed, wheat bran, wheat middlings, cane molasses, fish meal, bone meal, salt.
St. Albans Grain Co.	F.	17.04	4.88	60.98	7.24	9.86	6.72	
St. Albans, Vt.								
Wirthmore Complete Chick Starter and Broiler Ration .	G.	17.50	4.00	58.00	....	....	5.50	Cod liver oil, dried skimmed milk, dried whey, oat groats, meat scraps, fish meal, alfalfa leaf meal, corn gluten meal, soybean oil meal, yellow corn meal, wheat bran, wheat middlings, calcium carbonate, salt.
St. Albans Grain Co.	F.	18.82	4.71	55.95	9.53	10.99	4.38	
St. Albans, Vt.								
Wirthmore Complete Laying Ration	G.	15.00	4.00	60.00	....	....	5.00	Cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, oat groats, yellow corn meal, alfalfa leaf meal, wheat bran, wheat middlings, calcium carbonate, salt.
St. Albans Grain Co.	F.	15.24	4.23	59.20	9.22	12.11	3.91	
St. Albans, Vt.								

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Wirthmore Laying Mash	G.	20.00	4.00	50.00	....	....	7.00	Cod liver oil, dried skimmed milk, dried whey, meat scraps, fish meal, yellow corn meal, alfalfa leaf meal, linseed meal, soybean oil meal, corn gluten meal, wheat bran, wheat middlings, wheat, oats, barley, buckwheat, calcium carbonate, salt.
St. Albans Grain Co. St. Albans, Vt.	F.	18.86	4.54	57.29	9.89	9.42	3.92	
Strafford County Mash	G.	17.00	5.00	57.00	....	....	10.00	Soybean oil meal, wheat bran, wheat middlings, corn meal, gluten feed, meat scraps, hominy, cod liver oil, molasses, dried skimmed milk, fish meal, salt, bone meal.
Strafford County Grain Mill Rochester, N. H.	F.	21.49	5.56	51.99	11.02	9.94	5.49	
Blue Seal Chick Starter	G.	17.50	4.00	55.00	....	....	6.00	Yellow corn meal, wheat, oats, barley, corn gluten meal, wheat bran, wheat flour middlings, meat scraps, dried skimmed milk, codfish meal, alfalfa leaf meal, calcium carbonate, salt, cod liver oil.
H. K. Webster Co. Lawrence, Mass.	F.	19.78	5.32	57.59	7.38	9.93	6.00	
Blue Seal Egg Mash	G.	19.00	4.50	54.00	....	....	6.00	Yellow corn meal, oats, wheat bran, wheat middlings, meat scraps, dried skimmed milk, alfalfa leaf meal, cane molasses, gluten meal, calcium carbonate, salt, cod liver oil.
H. K. Webster Co. Lawrence, Mass.	F.	20.35	5.51	54.06	10.57	9.51	5.63	
Blue Seal Improved All Mash Ration	G.	15.00	4.50	55.00	....	....	4.00	Yellow corn meal, wheat, oats, wheat bran, wheat flour middlings, meat scraps, codfish meal, dried skimmed milk, alfalfa leaf meal, cane molasses, calcium carbonate, salt, cod liver oil.
H. K. Webster Co. Lawrence, Mass.	F.	15.89	4.92	61.65	7.67	9.87	3.69	
Blue Seal Laying Mash	G.	20.00	3.50	54.00	....	....	6.00	Yellow corn meal, wheat bran, oats, meat scraps, corn gluten meal, wheat flour middlings, barley, wheat, cane molasses, alfalfa leaf meal, dried skimmed milk, codfish meal, salt, calcium carbonate, cod liver oil.
H. K. Webster Co. Lawrence, Mass.	F.	20.92	5.96	52.97	10.43	9.72	6.00	
Whiting All Mash Laying	G.	15.00	4.00	60.00	....	....	5.00	Corn meal, wheat bran, wheat red dog flour, oat groats, alfalfa leaf meal, dried skimmed milk, meat scraps, fish meal, calcium carbonate, salt, cod liver oil.
David Whiting & Sons Wilton, N. H.	F.	15.85	4.03	61.36	7.58	11.18	4.88	

Whiting Laying Mash	G.	17.00	4.00	55.00	....	....	5.00	Yellow corn meal, wheat bran, wheat flour middlings,
David Whiting & Sons	F.	17.82	4.58	55.31	11.48	10.81	6.58	oats, meat scraps, dried skimmed milk, fish meal,
Wilton, N. H.								alfalfa, leaf meal, calcium carbonate, salt, cod liver oil.
Whiting Special Mash	G.	18.00	4.00	50.00	....	....	5.00	Wheat bran, corn meal, corn gluten feed, beef scraps,
David Whiting & Sons	F.	19.04	4.72	54.47	11.98	9.79	7.06	wheat middlings, rolled oats, alfalfa leaf meal,
Wilton, N. H.								calcium carbonate, salt, dried skimmed milk, cod liver oil.
Whitney's Laying Mash	G.	17.00	4.50	55.00	....	....	6.00	Corn meal, wheat, barley, oat meal, alfalfa leaf meal,
K. T. Whitney	F.	17.99	4.32	55.39	11.49	10.81	4.93	fish meal, meat scraps, dried skimmed milk, wheat
Goffstown, N. H.								bran, charcoal, salt, limestone, cod liver oil.
SOYBEAN MEAL								
Central Soybean Oil Meal	G.	41.00	5.00	35.00	....	....	7.00	
Central Soya Co.	F.	41.50	5.52	38.82	6.09	8.07	....	
Decatur, Ind.								
Shellabarger's Soybean Oil Meal	G.	41.00	4.50	35.00	....	....	7.50	
Shellabarger Grain Products Co.	F.	40.50	5.02	37.97	6.24	10.27	5.71	
Decatur, Ill.								
Staley's Soybean Oil Meal	G.	41.00	4.50	36.00	....	....	7.00	
A. E. Staley Mfg. Co.	F.	41.59	5.21	39.49	5.63	8.08	....	
Decatur, Ill.								
STOCK FEED								
Empire Stock Feed	G.	9.00	4.00	64.00	....	....	11.00	Hominy feed, oats, corn, oat mill feed, clipped oat
Allied Mills	F.	10.20	4.42	70.63	5.13	9.62	7.10	by-products, screenings from flax, wheat, corn, oats,
Chicago, Ill.								barley, cane molasses, salt, steamed bone meal, limestone.
Pennant Brand Stock Feed	G.	9.50	4.00	70.00	....	....	9.50	White hominy, oat meal mill by-products, linseed meal,
E. W. Bailey & Co.	F.	10.11	4.66	69.87	5.82	9.54	8.51	barley, salt, cane molasses, calcium carbonate, bone meal.
Montpelier, Vt.								
Barco Stock Feed	G.	9.50	4.50	70.00	....	....	9.50	White hominy, oat by-products, linseed meal, barley.
G. N. Bartemus Co.	F.	9.89	5.08	72.37	4.35	8.31	10.21	
Concord, N. H.								

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Concord Stock Feed	G.	7.50	2.80	70.00	....	....	14.45	Hominy, oat meal mill by-products, salt.
G. N. Bartemus Co. Concord, N. H.	F.	8.02	4.46	74.46	4.97	8.09	14.92	
Coweco Stock Feed	G.	9.00	4.00	45.00	....	....	11.00	Oats, hominy, corn meal, oat feed, barley, calcium carbonate, salt.
E. A. Cowee Co. Fitchburg, Mass.	F.	10.73	4.06	69.82	6.87	8.52	12.09	
Delaware White Stock Feed	G.	9.00	3.00	65.00	....	....	12.00	Corn meal, hominy feed, wheat middlings, barley, oat middlings, oat hulls, oat shorts, salt, calcium phosphate, calcium carbonate.
Delaware Mills Deposit, N. Y.	F.	9.85	4.14	71.33	5.84	8.84	12.52	
Frederick Stock Feed	G.	7.50	3.00	70.00	....	....	12.00	Corn feed meal, oat middlings, oat shorts, oat hulls, clipped oat by-products, salt.
Dietrich & Gambrill Frederick, Md.	F.	8.72	3.37	73.07	4.71	10.13	10.93	
Elmore Stock Feed	G.	10.00	3.00	60.00	....	....	12.00	Corn meal or hominy feed, oat meal by-products, salt.
Elmore Milling Co. Oneonta, N. Y.	F.	12.99	3.82	70.51	4.04	8.64	9.67	
North Star Stock Feed	G.	9.00	3.00	50.00	....	....	12.00	Hominy, corn meal, barley, oat feed, wheat red dog flour, grain screenings, salt.
Farm Service Stores Fitchburg, Mass.	F.	9.63	3.37	73.13	4.49	9.38	12.62	
Phoenix Feeds Stock Feed	G.	8.00	3.00	72.00	....	....	12.00	Oats, linseed meal, corn feed meal, oat shorts, oat middlings, oat hulls, barley feed, hominy feed, salt.
Great Eastern Feed Mills Lowell, Mass.	F.	10.24	5.16	67.60	8.99	8.01	10.01	
Sugared "Wamesit"	G.	8.00	1.00	65.00	....	....	22.00	Oat mill feed, cane molasses, fish meal, salt.
Great Eastern Feed Mills Lowell, Mass.	F.	5.78	1.16	78.90	6.70	7.46	24.49	
Grandin's Stock Food	G.	8.50	4.00	55.00	....	....	12.00	Corn meal, corn feed meal, hominy feed, wheat middlings, mill run screenings, barley, oat middlings, oat hulls, oat shorts, salt.
D. H. Grandin Milling Co. Jamestown, N. Y.	F.	10.02	5.15	72.28	4.73	7.82	10.50	
Granite State Stock Feed	G.	9.00	5.00	60.00	....	....	10.00	White hominy, wheat red dog flour, oat by-products, salt.
E. C. & W. L. Hopkins Greenfield, N. H.	F.	9.10	5.49	72.54	4.98	7.89	8.58	

Independent Stock Feed Open Formula	G.	10.00	3.00	60.00	....	....	12.00	Corn meal, hominy, oat meal mill by-products, salt.
Independent Grain Dealers' Association Manchester, N. H.	F.	6.88	2.29	75.40	4.62	10.81	17.24	
Bull Brand Stock Feed	G.	9.00	3.50	60.00	....	....	12.00	Hominy feed, corn feed meal, wheat bran, mill run screenings, oat hulls, oat shorts, salt.
Maritime Milling Co. Buffalo, N. Y.	F.	11.20	5.67	69.28	4.52	9.33	10.82	
Merrimack Stock Feed	G.	9.00	4.00	60.00	....	....	11.00	Molasses, soybean oil meal, hominy, oat feed, oats, salt, calcium carbonate, linseed meal, barley.
Merrimack Farmers' Exchange Concord, N. H.	F.	9.72	4.91	69.33	6.72	9.32	9.39	
Park & Pollard Stock Feed	G.	9.00	4.00	50.00	....	....	12.00	Barley, corn, oats, hominy feed, oat hulls, oat middlings, oat shorts, molasses, calcium carbonate, salt.
Park & Pollard Co. Boston, Mass.	F.	9.89	3.55	70.23	6.58	9.75	9.18	
Quaker Sugared Schumacher Feed	G.	10.00	3.00	67.00	....	....	12.00	Corn meal, hominy feed, barley meal, soybean oil meal, low grade wheat flour, wheat middlings, oat mill feed, limestone, bone meal, molasses.
Quaker Oats Co. Chicago, Ill.	F.	10.68	3.58	71.31	6.39	8.04	11.76	
Stratton & Co.'s Stock Feed	G.	7.50	2.83	66.00	....	....	14.43	Oat feed, cracked corn siftings, corn meal.
Stratton & Co. Concord, N. H.	F.	7.53	2.94	75.89	2.86	10.78	14.20	
Wirthmore Stock Feed	G.	9.00	4.00	70.00	....	....	9.50	Barley, oats, hominy feed, corn, oat meal mill by-products, cane molasses, bone meal, calcium carbonate, salt.
St. Albans Grain Co. St. Albans, Vt.	F.	10.86	5.20	68.94	6.44	8.56	8.93	
WHEAT BRAN								
Atkinson's Wheat Bran	G.	14.00	4.00	49.00	....	....	12.00	Mill run screenings.
Atkinson Milling Co. Minneapolis, Minn.	F.	19.44	4.01	59.67	5.66	11.22	.....	
Bran	G.	15.00	3.50	51.80	....	....	11.50	
S. J. Cherry & Sons Preston, Canada	F.	16.72	5.36	61.78	5.26	10.88	.....	
C and C Wheat Bran	G.	15.00	3.50	51.00	....	....	11.50	
Coatsworth and Cooper Toronto, Canada	F.	14.30	4.06	65.97	5.26	10.41	.....	

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
Sunfed Wheat Bran	G.	14.00	4.00	62.00	....	....	12.00	Mill run screenings.
Commander-Larabee Corp. Minneapolis, Minn.	F.	16.61	4.83	59.38	6.81	12.37	.....	
Copeland's Dandy Bran	G.	15.00	3.50	51.00	....	....	11.50	
Copeland Flour Mills Midland, Canada	F.	17.69	5.50	61.68	5.33	9.80	.....	
Coarse Wheat Bran	G.	15.00	5.00	50.00	....	....	11.00	
Crookston Milling Co. Crookston, Minn.	F.	16.29	4.87	61.80	5.25	11.79	.....	
Duluth Imperial Wheat Bran	G.	15.00	3.75	60.00	....	....	13.00	Mill run screenings.
Duluth-Superior Milling Co. Duluth, Minn.	F.	18.04	4.82	60.50	5.52	11.12	.....	
Wheat Bran	G.	14.00	3.50	50.00	....	....	12.00	
B. A. Eckhart Milling Co. Chicago, Ill.	F.	16.03	4.11	61.14	6.58	12.14	.....	
Lucky Hard Wheat Bran	G.	15.00	3.00	60.00	....	....	14.00	Mill run screenings.
Federal Mill Lockport, N. Y.	F.	17.99	5.31	59.57	6.02	11.11	.....	
Bronco Wheat Bran	G.	15.00	3.50	50.00	....	....	11.50	
J. A. Forrest Minneapolis, Minn.	F.	16.51	5.49	59.69	5.68	12.63	.....	
Genesota Standard Wheat Bran	G.	15.00	4.00	63.00	....	....	12.00	Standard wheat bran, mill run wheat screenings.
Geneva Milling Co. Geneva, N. Y.	F.	16.81	5.11	62.74	5.46	9.88	.....	
Hamco Wheat Bran	G.	15.00	3.50	51.00	....	....	11.50	
Frank B. Ham & Co. Toronto, Canada	F.	16.29	5.42	62.72	5.37	10.20	.....	
Choice Wheat Bran	G.	13.50	3.50	48.50	....	....	14.00	Mill run screenings.
Hecker-Jones-Jewell Milling Co. Buffalo, N. Y.	F.	17.34	4.76	59.18	6.05	12.67	.....	

Blackhawk Wheat Bran	G.	15.00	3.20	62.00	....	....	12.00	
International Milling Co. .	F.	16.73	5.03	62.89	5.66	9.69	....	
Minneapolis, Minn.								
Lakewoods Wheat Bran	G.	15.00	3.50	53.00	....	....	11.50	
Lake of the Woods Milling Co.	F.	16.11	5.27	61.39	5.47	11.76	.....	
Montreal, Canada								
Rex Wheat Bran	G.	15.00	3.50	50.00	....	....	12.00	
Maple Leaf Milling Co. . . .	F.	16.37	5.22	63.95	5.08	9.38	.....	
Toronto, Canada								
Montco Wheat Bran	G.	15.00	3.00	59.00	....	....	12.00	Mill run screenings.
Montana Flour Mills Co. . .	F.	18.21	5.22	61.13	4.60	10.84	.....	
Great Falls, Montana								
Niagara Choice Wheat Bran .	G.	15.50	4.00	50.00	....	....	11.00	
Niagara Falls Milling Co. .	F.	17.82	5.17	60.77	5.88	10.36	.....	
Lockhart, N. Y.								
Parrheim Wheat Bran	G.	15.00	3.50	51.00	....	....	11.50	
Parrish & Heimbecker	F.	16.20	5.45	62.05	5.48	10.82	.....	
Toronto, Canada								
Occident Bran	G.	14.00	4.00	61.50	....	....	11.50	
Russell-Miller Milling Co. .	F.	15.37	4.47	63.55	6.15	10.46	.....	
Minneapolis, Minn.								
King Arthur Wheat Bran . . .	G.	14.00	4.00	62.00	....	....	12.00	
Sands, Taylor & Wood Co. . .	F.	17.29	4.98	60.04	6.37	11.32	.....	
Boston, Mass.								
Dakota Maid Pure Bran . . .	G.	15.00	5.00	60.00	....	....	12.00	
State Mill & Elevator Co. .	F.	17.64	5.49	59.97	5.72	11.18	.....	
Grand Forks, N. D.								
Stratton & Co.'s Fancy								
Wheat Bran	G.	14.00	4.00	64.00	....	....	11.00	
Stratton & Co.	F.	14.14	4.51	65.41	5.60	10.34	.....	
Concord. N. H.								
Golden Loaf Wheat Bran . . .	G.	16.00	4.00	48.00	....	....	11.00	Mill run screenings.
Tennant & Hoyt Co.	F.	16.68	4.17	62.76	5.62	10.77	.....	
Lake City, Minn.								

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Rowena Wheat Bran	G.	13.75	4.00	62.30	....	....	12.30	
Valley City Milling Co. Grand Rapids, Mich.	F.	18.04	4.13	60.85	5.78	11.20	.....	
Rowena Wheat Bran	G.	14.00	3.00	65.50	....	....	10.75	
Valley City Milling Co. Grand Rapids, Mich.	G.	13.57	4.19	64.59	6.13	11.52	.....	
Washburn's Gold Medal Hard Wheat Bran	G.	14.00	4.00	63.00	....	....	12.00	Mill run screenings.
Washburn Crosby Co. Minneapolis, Minn.	F.	17.16	5.39	61.26	5.76	10.43	.....	
Pioneer Pure Wheat Bran	G.	15.00	3.50	55.00	....	....	11.50	
Western Canada Flour Mills Co. Calgary, Canada	F.	17.69	5.73	59.66	5.21	11.71	.....	
Wheat Bran and Wheat Screenings	G.	14.50	3.50	55.00	....	....	11.00	Wheat bran, wheat screenings.
Wichita Flour Mills Co. Wichita, Kansas	F.	16.11	3.90	64.08	6.34	9.57	.....	
WHEAT MIDDLINGS								
Sunfed Wheat Flour Middlings	G.	16.00	4.00	63.00	....	....	6.00	Mill run screenings.
Commander-Larabee Corp. Minneapolis, Minn.	F.	18.17	4.52	61.36	3.77	12.18	.....	
Standard Middlings	G.	16.00	4.00	55.00	....	....	9.50	Mill run screenings.
Fairchild Milling Co. Cleveland, Ohio	F.	17.69	4.92	61.08	4.08	12.23	.....	
Dairy Maid Wheat Flour Middlings	G.	13.00	4.50	58.00	....	....	6.00	Mill run screenings.
Federal Mill Lockport, N. Y.	F.	16.38	5.06	65.57	3.47	9.52	.....	

Lucky Hard Wheat Standard Middlings	G.	16.00	4.50	56.00	....	....	9.50	Mill run screenings.
Federal Mill Lockport, N. Y.	F.	17.99	4.76	64.16	3.66	9.43	....	
Genesota Standard Wheat Middlings	G.	15.00	4.00	62.50	....	....	9.50	Standard wheat middlings, mill run wheat screenings.
Geneva Milling Co. Geneva, N. Y.	F.	18.91	5.78	59.99	3.94	11.38	....	
Wheat Standard Middlings	G.	15.00	4.75	51.00	....	....	9.50	Mill run screenings.
Hecker-Jones-Jewell Milling Co. Buffalo, N. Y.	F.	19.57	5.50	60.17	4.43	10.33	....	
Rex Wheat Middlings	G.	16.00	5.00	53.00	....	....	7.50	Mill run screenings.
Maple Leaf Milling Co. Toronto, Canada	F.	18.47	6.41	59.84	4.22	11.06	....	
Niagara Standard Wheat Middlings	G.	15.50	4.50	50.00	....	....	7.00	
Niagara Falls Milling Co. Lockport, N. Y.	F.	18.48	4.92	61.03	4.54	11.03	....	
Wheat Flour Middlings	G.	15.00	4.00	62.00	....	....	6.00	Wheat flour middlings, mill run screenings.
Northwestern Consolidated Milling Co. Minneapolis, Minn.	F.	18.12	4.77	61.84	4.09	11.18	....	
Wheat Standard Middlings	G.	15.00	4.00	62.50	....	....	9.50	Wheat standard middlings, mill run wheat screenings.
Northwestern Consolidated Milling Co. Minneapolis, Minn.	F.	17.03	4.84	62.51	5.29	10.33	....	
Pillsbury's Hard Wheat Middlings	G.	15.00	4.00	62.50	....	....	9.50	Wheat middlings, wheat screenings.
Pillsbury Flour Mills Co. Minneapolis, Minn.	F.	17.38	4.94	62.85	4.59	10.24	....	
Stratton & Co.'s Fancy Fine White Middlings	G.	14.00	4.25	55.00	....	....	5.50	
Stratton & Co. Concord, N. H.	F.	14.58	4.13	67.52	2.78	10.99	....	

Brand and Manufacturer		Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
		Protein	Fat	Carbo-hydrates	Ash	Moisture	Crude Fiber	
Stratton & Co.'s Standard Wheat Middlings	G.	16.00	5.63	55.00	....	....	9.50	Mill run screenings.
Stratton & Co. Concord, N. H.	F.	14.92	4.72	65.70	3.86	10.80	....	
Washburn's Gold Medal Hard Wheat Standard Middlings	G.	15.00	4.00	62.50	....	....	9.50	Mill run screenings.
Washburn Crosby Co. Minneapolis, Minn.	F.	17.64	5.22	62.11	4.21	10.82	....	
WHEAT MIXED FEED								
Barco Mixed Feed	G.	14.00	3.00	60.00	....	....	7.00	Wheat bran, second clear flour.
G. N. Bartemus Co. Concord, N. H.	F.	17.64	4.39	63.18	4.37	10.42	....	
Coweco Heavy Mixed Feed	G.	15.00	4.00	55.00	....	....	7.00	Wheat bran, wheat middlings, wheat red dog flour.
E. A. Cowee Co. Fitchburg, Mass.	F.	17.82	5.22	61.83	5.06	10.07	....	
D & G Wheat Mixed Feed	G.	15.00	3.50	63.00	....	....	7.50	
Dietrich & Gambrill Frederick, Md.	F.	18.12	4.77	61.11	4.71	11.29	....	
Camel Fancy Wheat Feed	G.	16.00	4.00	.....	....	....	7.50	Wheat low grade flour, wheat red dog flour, wheat
Excelsior Milling Co. Minneapolis, Minn.	F.	15.38	4.07	65.31	5.56	9.68	.....	middlings, wheat bran.
Dairy Maid Wheat Mixed Feed	G.	13.50	3.50	57.00	....	....	10.00	Mill run screenings.
Federal Mill Lockport, N. Y.	F.	18.13	4.85	62.69	4.67	9.66	.....	
Granite State Mixed Feed	G.	15.00	4.00	55.00	....	....	8.50	Wheat bran, wheat red dog flour, mill run screenings.
E. C. & W. L. Hopkins Greenfield, N. H.	F.	17.29	5.02	62.26	4.75	10.68	....	
Bull Brand Heavy Mixed Feed	G.	15.00	4.00	60.00	....	....	8.00	Wheat bran, wheat middlings, wheat red dog flour, mill
Maritime Milling Co. Buffalo, N. Y.	F.	17.25	4.66	63.62	4.31	10.16	....	run screenings.

Merrimack Heavy Wheat Feed .	G.	15.00	4.00	55.00	....	....	9.00	Wheat bran, mill run screenings, wheat white middlings.
Merrimack Farmers' Exchange Concord, N. H.	F.	16.77	4.96	63.30	4.59	10.38	....	
Planet Feed	G.	15.00	4.00	63.00	....	....	8.00	Wheat bran, wheat red dog flour.
Northwestern Consolidated Milling Co. . . . . Minneapolis, Minn.	F.	18.95	4.82	59.70	4.66	11.87	....	
Pillsbury's Fancy Mixed Feed and Screenings	G.	15.00	4.00	55.00	....	....	8.50	Wheat red dog flour, wheat bran, mill run screenings.
Pillsbury Flour Mills Co. . Minneapolis, Minn.	F.	17.33	4.92	62.23	4.48	11.04	....	
Brooks' Fancy Wheat Mixed Feed	G.	15.00	4.00	63.00	....	.....	8.00	Wheat bran, low grade flour.
Ralston Purina Co. . . . . St. Johnsbury, Vt.	F.	17.20	5.01	62.48	4.55	10.76	....	
Occident Wheat Mixed Feed .	G.	15.00	4.50	61.50	....	....	9.50	Wheat bran, wheat middlings, wheat red dog flour.
Russell-Miller Milling Co. . Minneapolis, Minn.	F.	19.31	5.85	60.72	4.74	9.38	.....	
Wirthmore Wheat Feed	G.	15.00	3.75	50.00	....	....	8.00	Wheat bran, wheat red dog flour, mill run screenings.
St. Albans Grain Co. . . . . St. Albans, Vt.	F.	17.03	4.34	60.65	7.47	10.51	....	
Litchfield Mixed Feed	G.	16.00	4.00	60.00	....	....	8.00	
F. W. Stock & Sons . . . . . Hillsdale, Mich.	F.	15.12	4.42	64.52	4.66	11.28	....	
Stratton & Co.'s Wheat Mixed Feed	G.	13.50	4.11	63.00	....	....	7.13	Mill run screenings.
Stratton & Co. . . . . Concord, N. H.	F.	14.32	4.15	65.93	4.83	10.77	....	
Rowena Mixed Feed	G.	14.00	4.10	63.60	....	....	8.20	Mill run screenings.
Valley City Milling Co. . . Portland, Mich.	F.	14.13	4.67	65.51	4.73	10.96	....	
Washburn's Gold Medal Fancy Wheat Mixed Feed	G.	15.00	3.50	65.50	....	....	7.50	Wheat bran, mill run wheat screenings, low grade wheat flour.
Washburn Crosby Co. . . . . Minneapolis. Minn.	F.	17.12	4.06	64.54	4.16	10.12	....	

Brand and Manufacturer	Pounds in 100 lbs. of Feeding Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbo-hydrates	Ash	Mois-ture	Crude Fiber	
WHEAT RED DOG FLOUR							
Sunfed Red Dog	G. 16.00	4.00	63.00	....	....	4.00	
Commander-Larabee Corp. Minneapolis, Minn.	F. 19.44	4.51	61.53	3.21	11.31	....	
XXX Comet	G. 16.00	4.00	62.00	....	....	4.00	Red dog wheat flour.
Northwestern Consolidated Milling Co. Minneapolis, Minn.	F. 20.17	4.78	60.66	3.32	11.07	....	
Pillsbury's XX Daisy	G. 16.00	4.00	62.00	....	....	4.00	Wheat red dog flour.
Pillsbury Flour Mills Co. Minneapolis, Minn.	F. 18.65	4.86	62.38	2.85	11.26	....	
Washburn's Gold Medal Hard Wheat Adrian Red Dog	G. 16.00	3.50	64.00	....	....	4.00	
Washburn Crosby Co. Minneapolis, Minn.	F. 18.30	3.96	64.34	2.08	11.32	....	
WHEAT SHORTS							
Shorts	G. 16.00	5.00	53.70	....	....	8.00	
S. J. Cherry & Sons Preston, Canada	F. 19.52	5.49	60.55	4.09	10.35	....	
C and C Wheat Shorts	G. 16.00	5.00	52.00	....	....	8.00	
Coatsworth and Cooper Toronto, Canada	F. 17.69	5.44	61.68	4.18	11.01	....	
Bronco Wheat Shorts	G. 16.00	5.00	54.00	....	....	8.00	
J. A. Forrest Minneapolis, Minn.	F. 18.65	5.39	61.05	4.52	10.39	....	
Lakewoods Wheat Shorts	G. 16.00	5.00	56.00	....	.....	8.00	
Lake of the Woods Milling Co. Montreal, Canada	F. 18.39	5.37	61.27	4.34	10.63	....	

Parrheim Wheat Shorts	G.	16.00	5.00	52.00	....	....	8.00	
Parrish & Heimbecker	F.	16.03	4.88	64.00	4.17	10.92	....	
Toronto, Canada								
Bell Cow Wheat Shorts	G.	15.00	4.00	65.00	....	....	8.00	Wheat shorts, mill run screenings.
Quaker Oats Co.	F.	18.56	5.21	60.89	4.20	11.14	....	
Peterborough, Ont.								
Pioneer Wheat Shorts	G.	16.00	5.00	55.00	....	....	8.00	
Western Canada Flour Mills Co.	F.	18.39	5.91	60.39	4.55	10.76	....	
Calgary, Canada								

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